Title: METHODS OF TREATING CACHEXIA ....

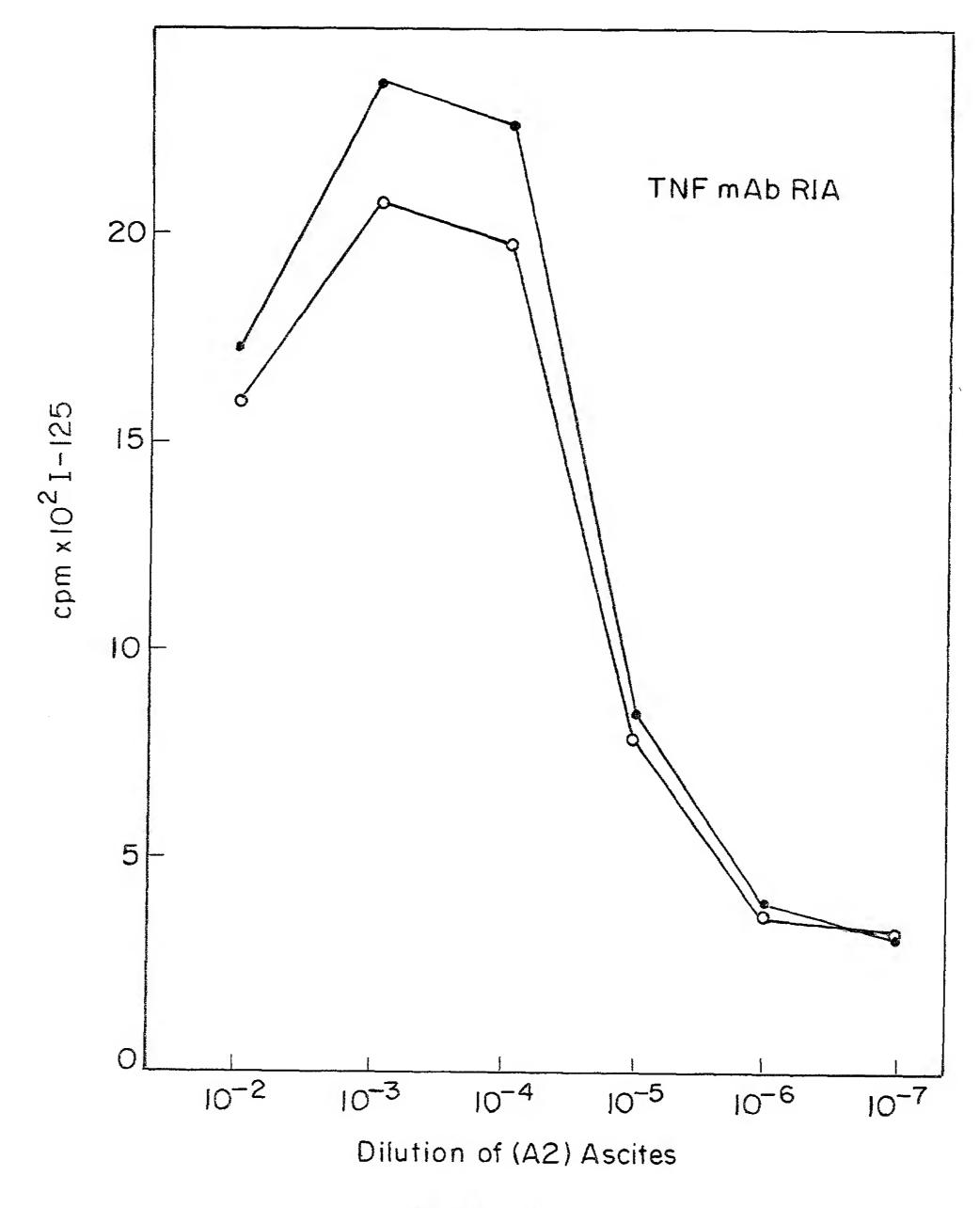


FIG. 1

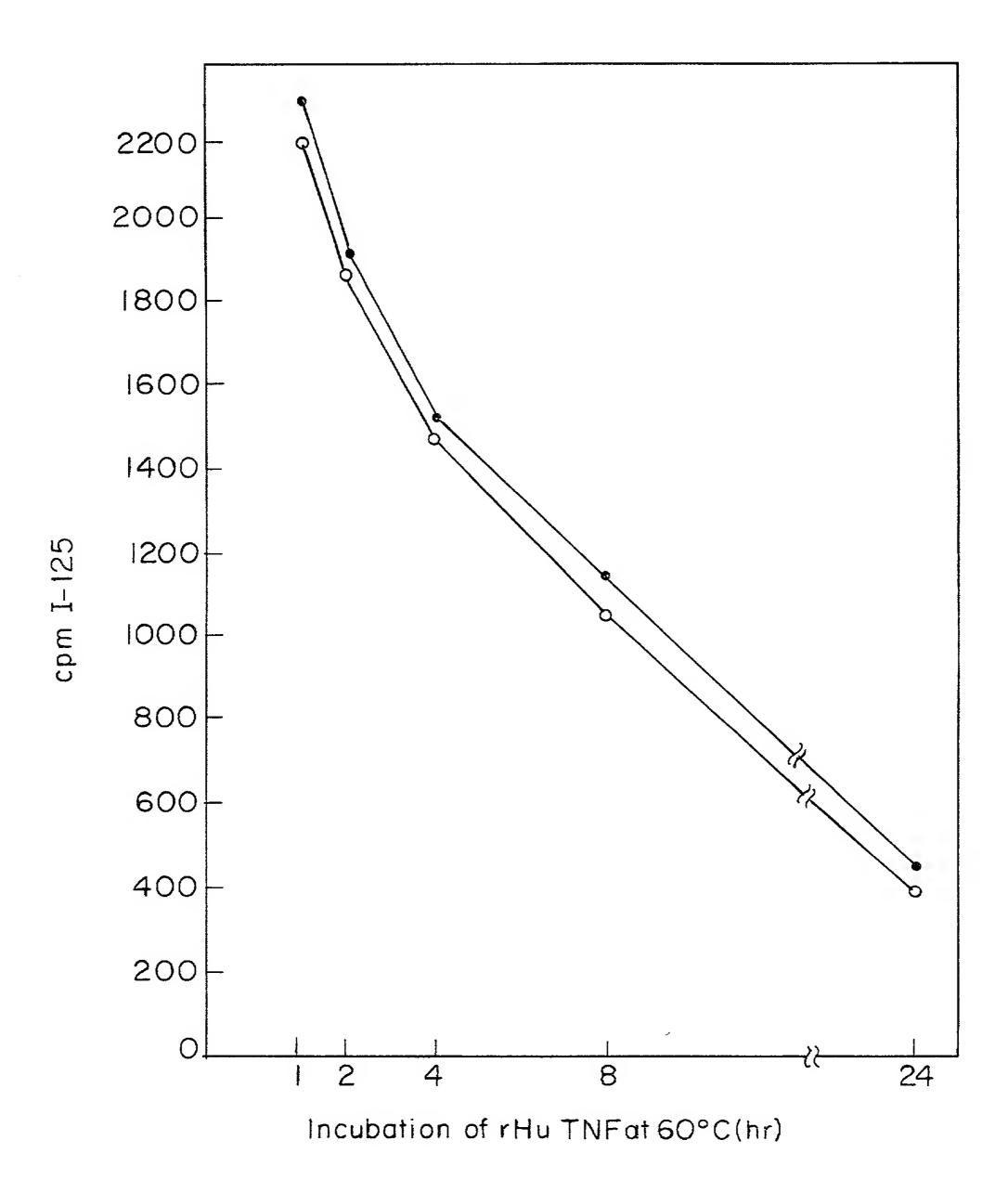
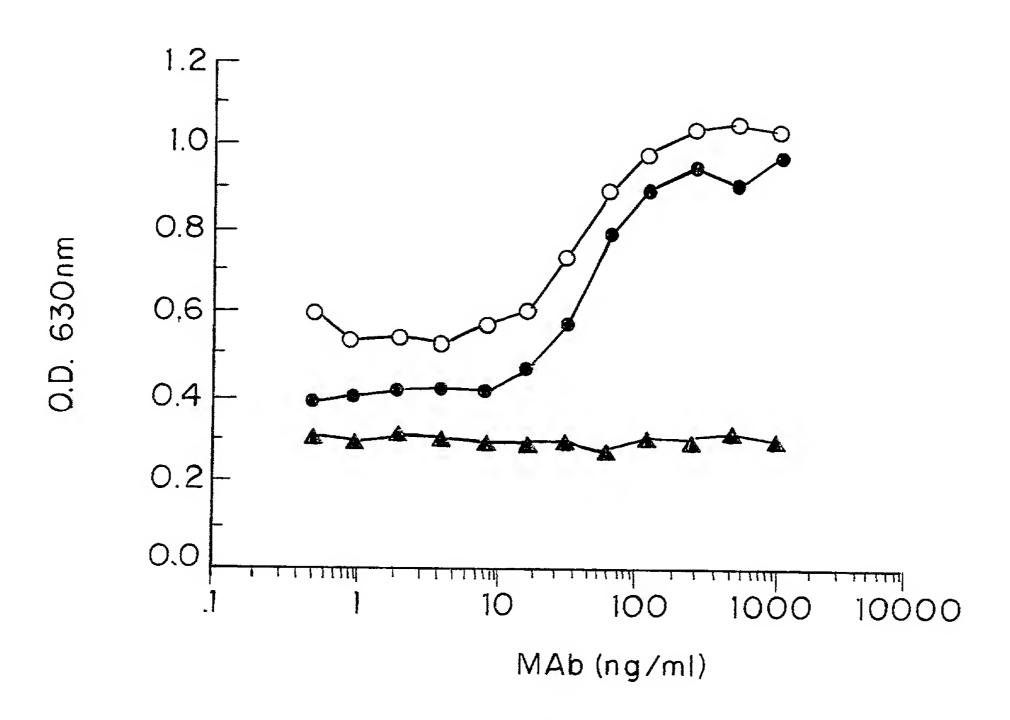


FIG. 2

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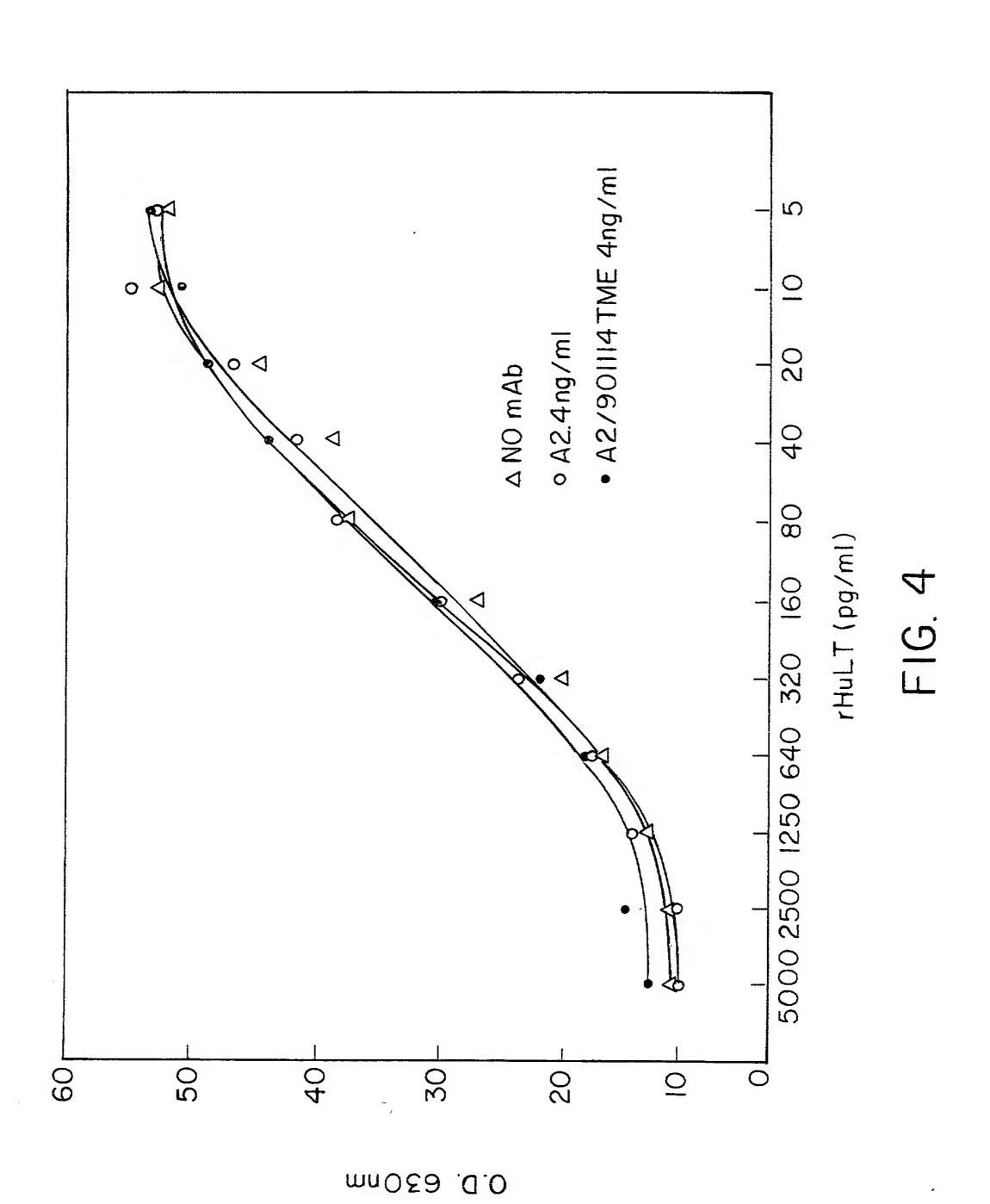
Title: METHODS OF TREATING CACHEXIA ....

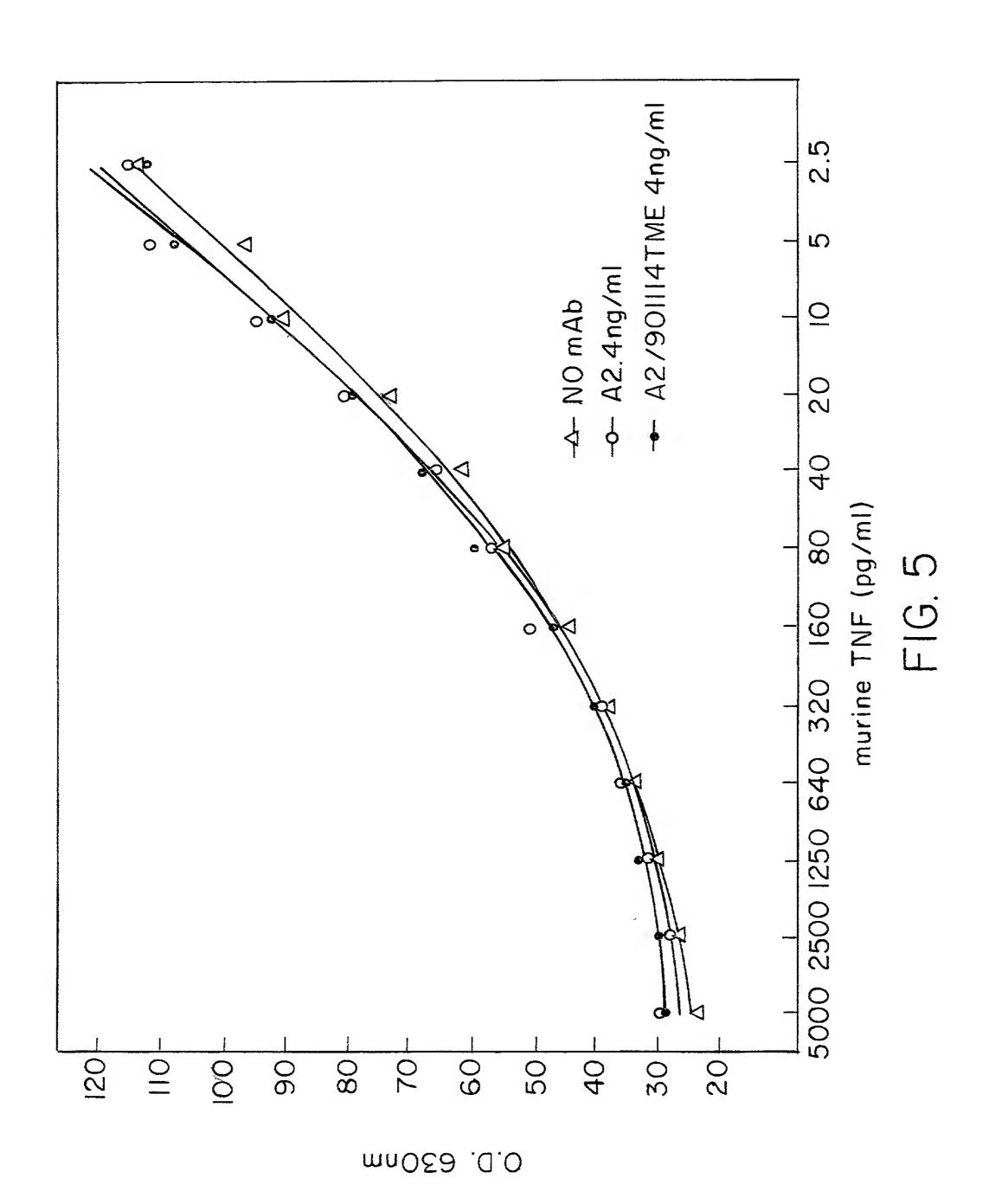


- Natural Human TNF
- Recombinant Human TNF
- ▲ Control

FIG. 3

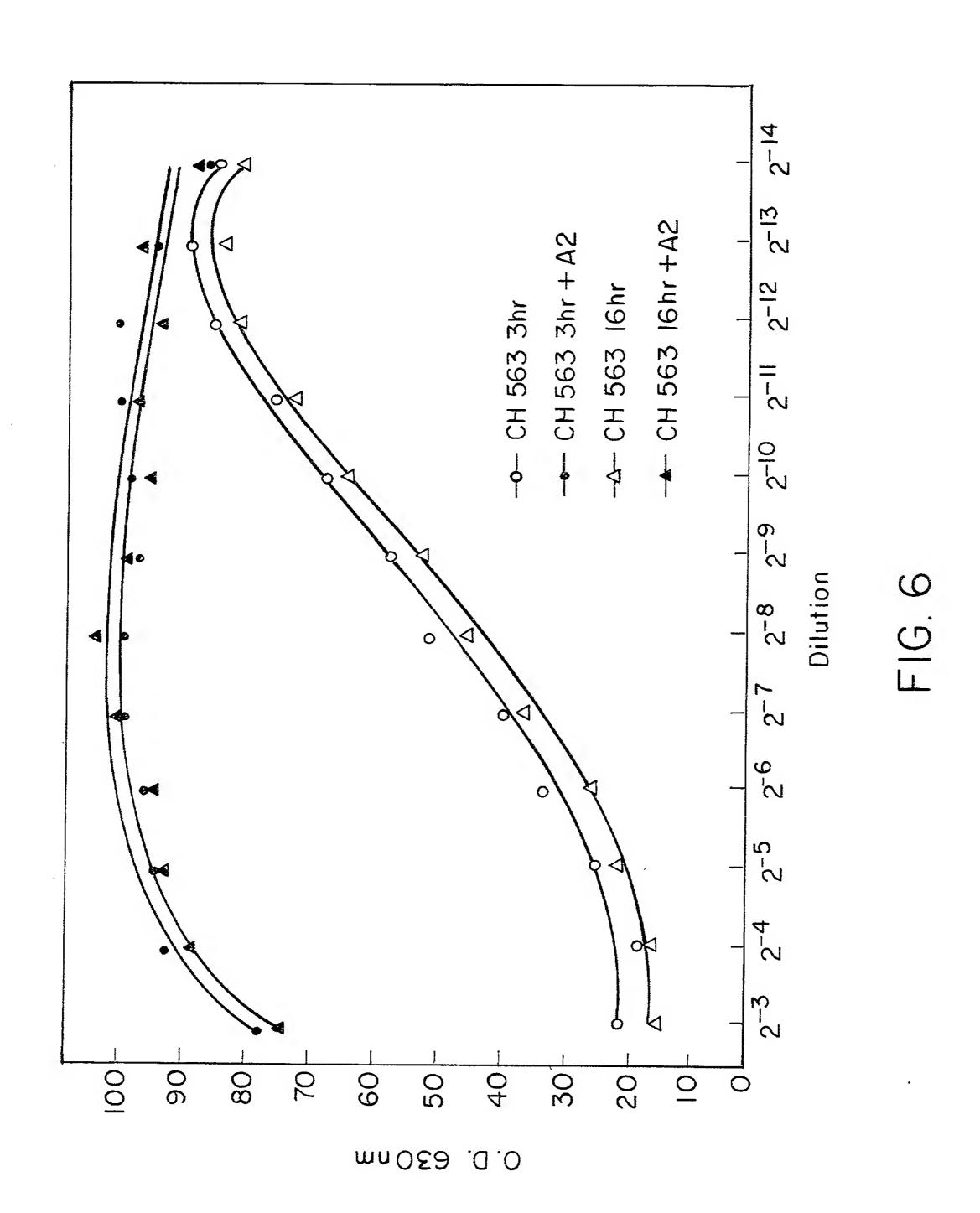
Title: METHODS OF TREATING CACHEXIA .... Inventors: Junming Le,  $\it et~al$ 





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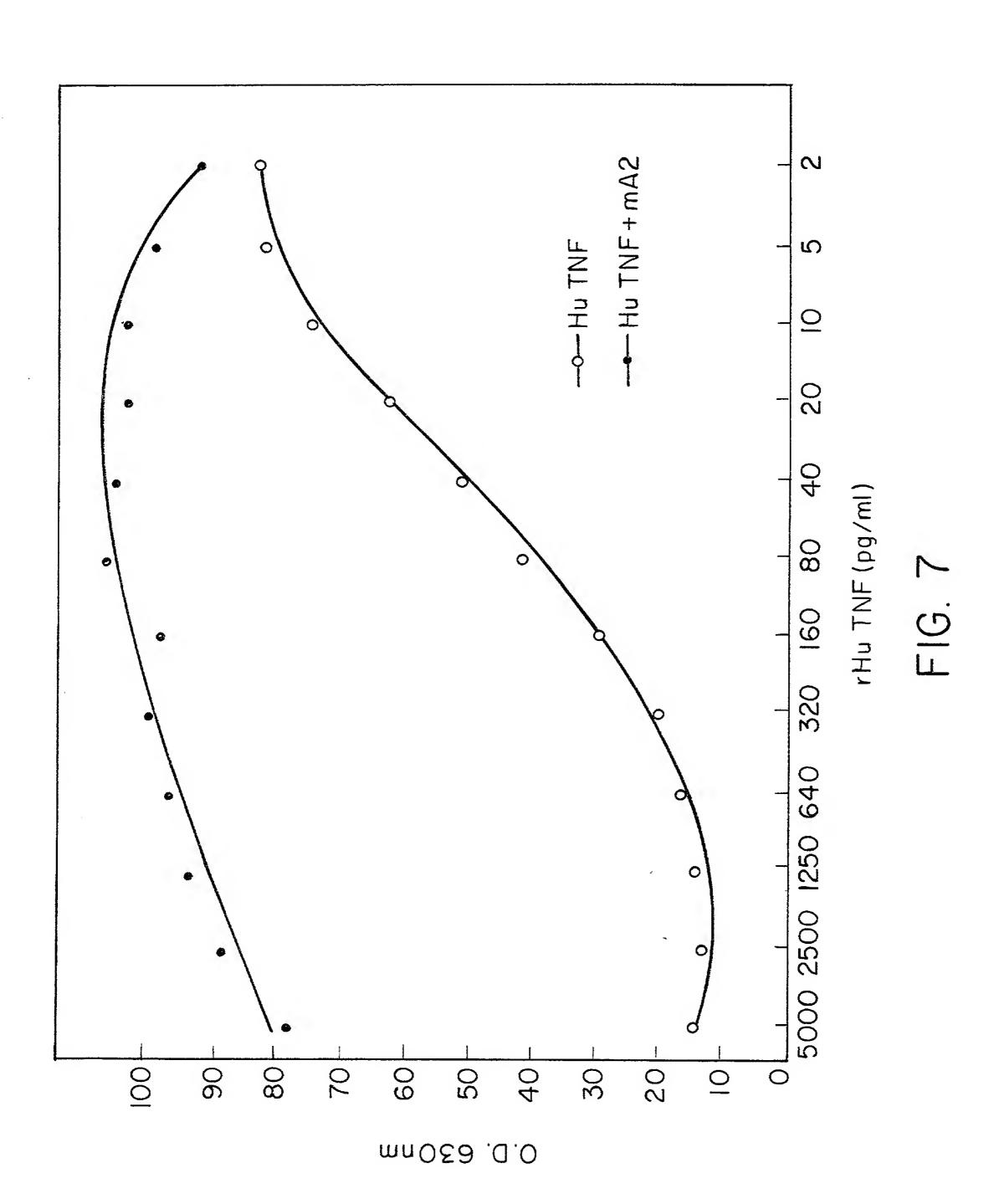
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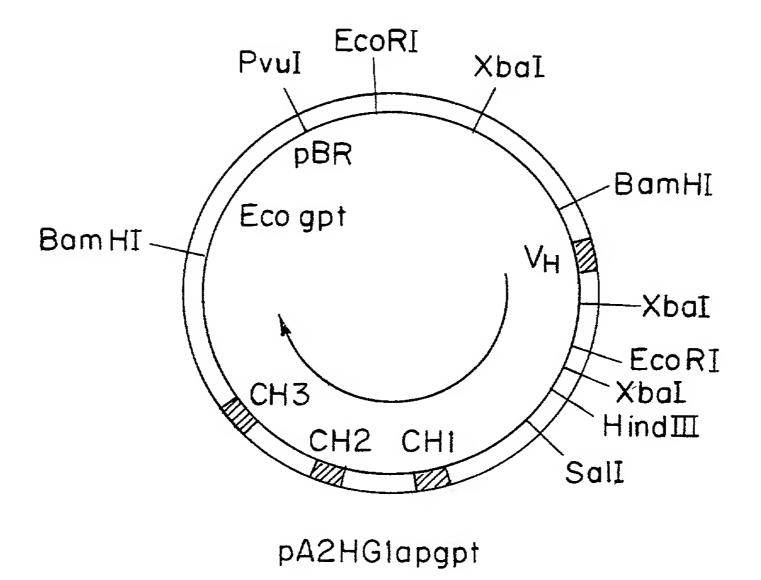


FIG. 8A

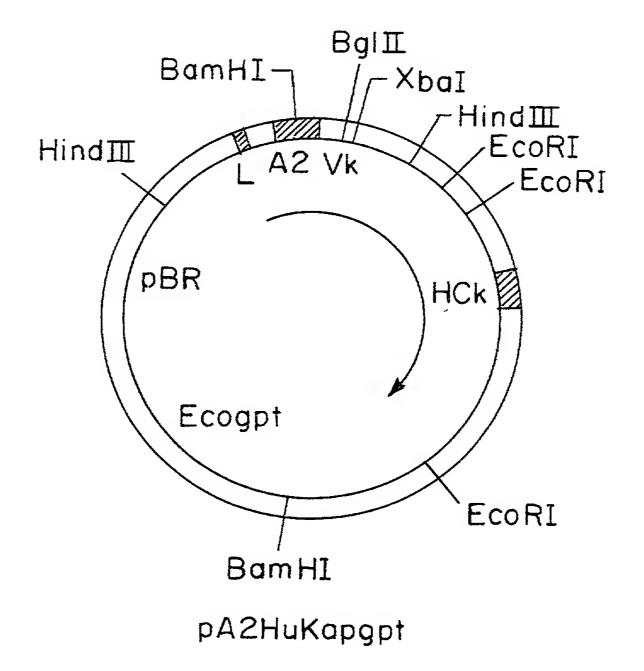


FIG. 8B

Then then it is then the state of the state

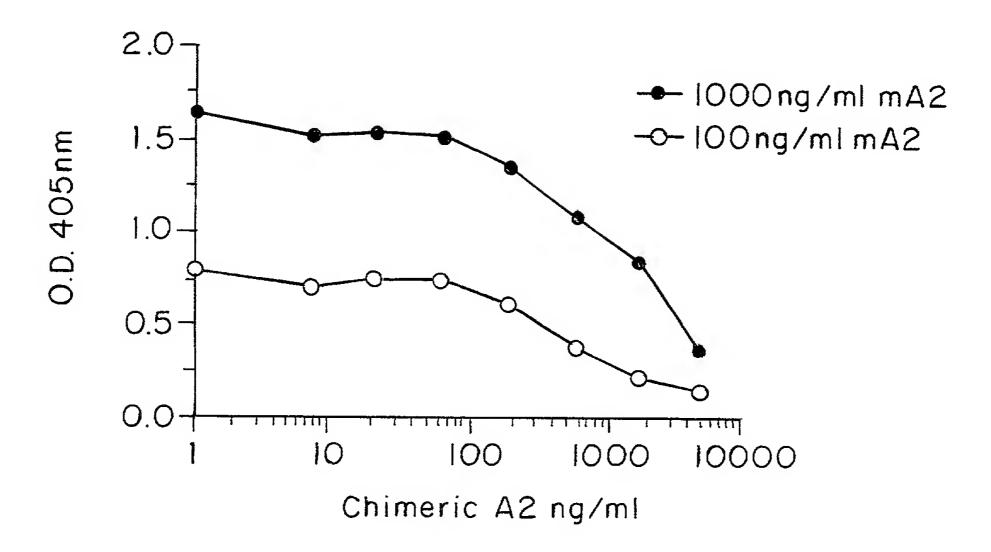


FIG. 9A

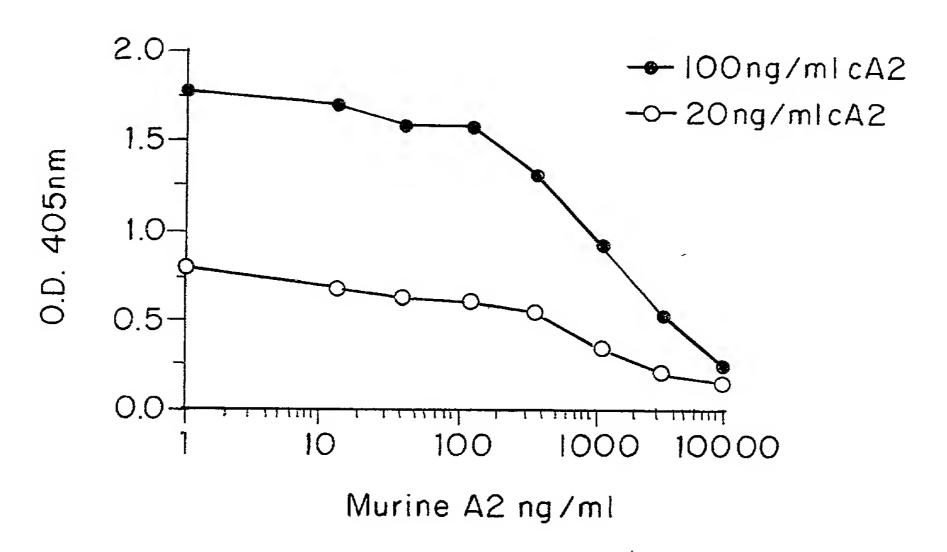


FIG. 9B

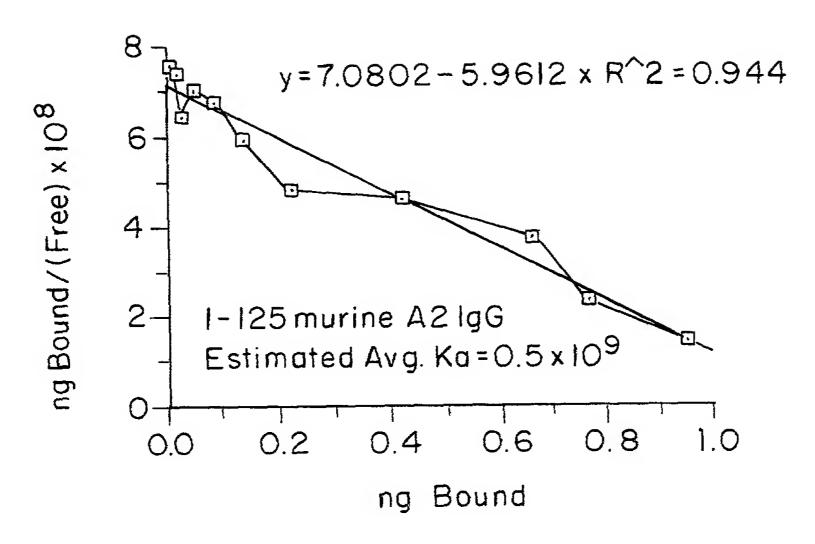


FIG. 10A

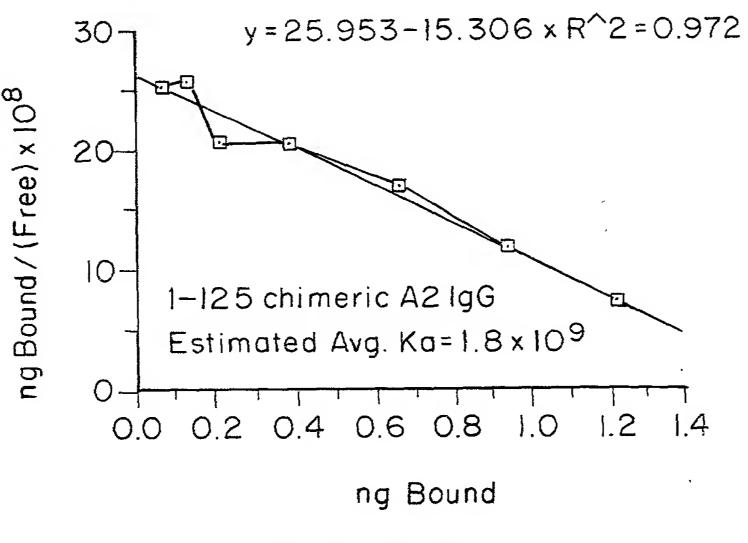
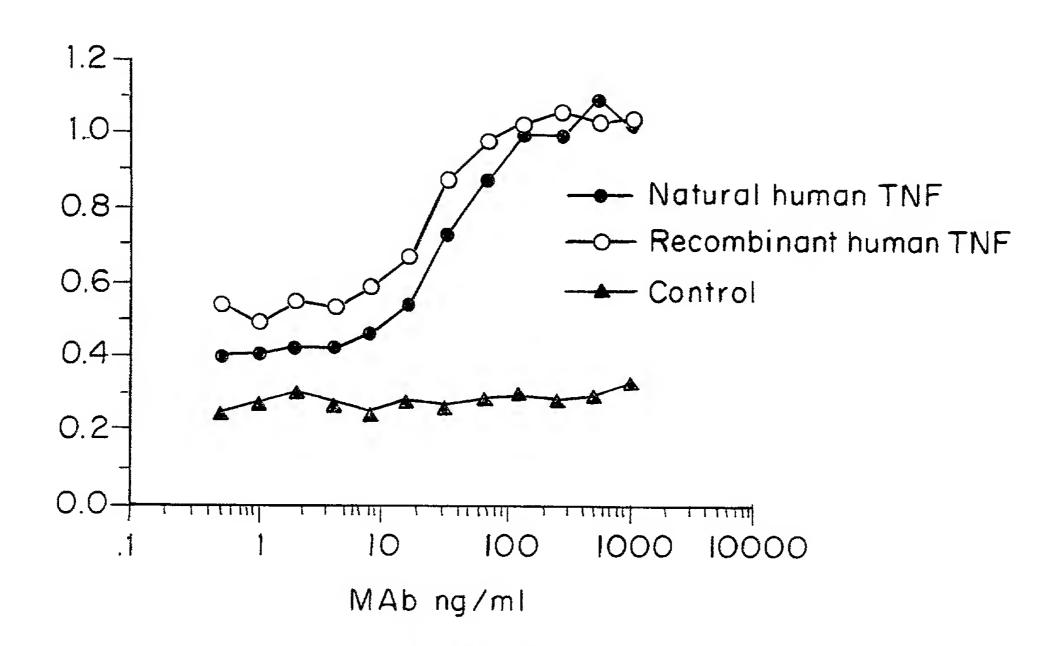


FIG. 10B



No TNF Control No MAb No Mab

FIG. 11

FIG. 12

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Inventors: Junming Le, et al

Pro	G1y	Ser	H H H H	Pro	Leu	Asp	
Asn	Asn	TYL	Thr	Ser	$\mathrm{T}\mathrm{yr}$	Pro	
Ala	Ala	H	His	Lys	Ile	Arg	
Val	Leu	Leu	Thr	Ile	Pro	Asn	Leu
Val	Leu	Tyr	Leu	Ala	Glu	Ile	Ala
HIS	Ala	Leu	Leu	Ser	Tyr	Glu	I le
Ala	Asn	Gly	Val	Leu	Trp '	Ala (	Ile
Val	Ala	Glu	His .	Leu	Pro	Ser	G1y
Pro	Arg	Ser	Thr	Asn	Lys	Leu	Phe
Lys	Arg	Pro	Ser	Val	Ala	Arg	${ m T}{ m yr}$
10 Asp	30 Asn	50 Val	70 Pro	90 Lys	110 Glu	130 Asp	150 Val
Ser	Leu	Val	Cys		Ala	${\tt Gly}$	
Pro	Trp	Leu	Gly	Tyr Gln Thr	Glu Gly Ala		G1y
Thr	Gln '	Gln	Gln	Tyr	G1u	Glu Lys	Ser
Arg Thr	Leu		Lys Gly Gln Gly Cys	Ser	Pro	Leu	Phe Ala Glu Ser Gly Gln
S L	Gln	Asp Asn	Lys	Val	Thr	Gln	Ala
Ser	$\mathrm{Gl}\mathrm{y}$	Arg	Phe	Ala	Glu	Phe	Phe
Ser	Glu	Leu	Leu	Ile	Arg	Val	Asp
Arg	Ala	Glu	Val	Arg	Gln	G1y	Leu
1 Val	21 Gln	41 Val	61 Gln	81 Ser	101 Cys	121 Gly	141 TYr

FIG.

Title: METHODS OF TREATING CACHEXIA ....

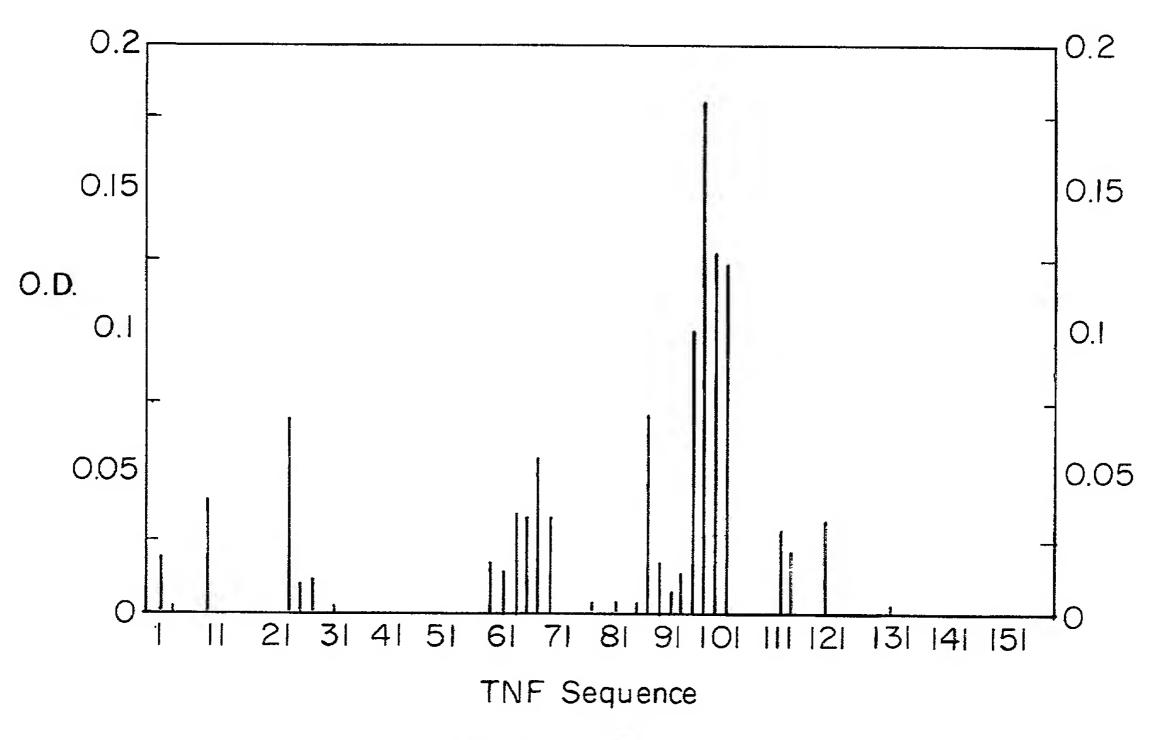


FIG. 14A

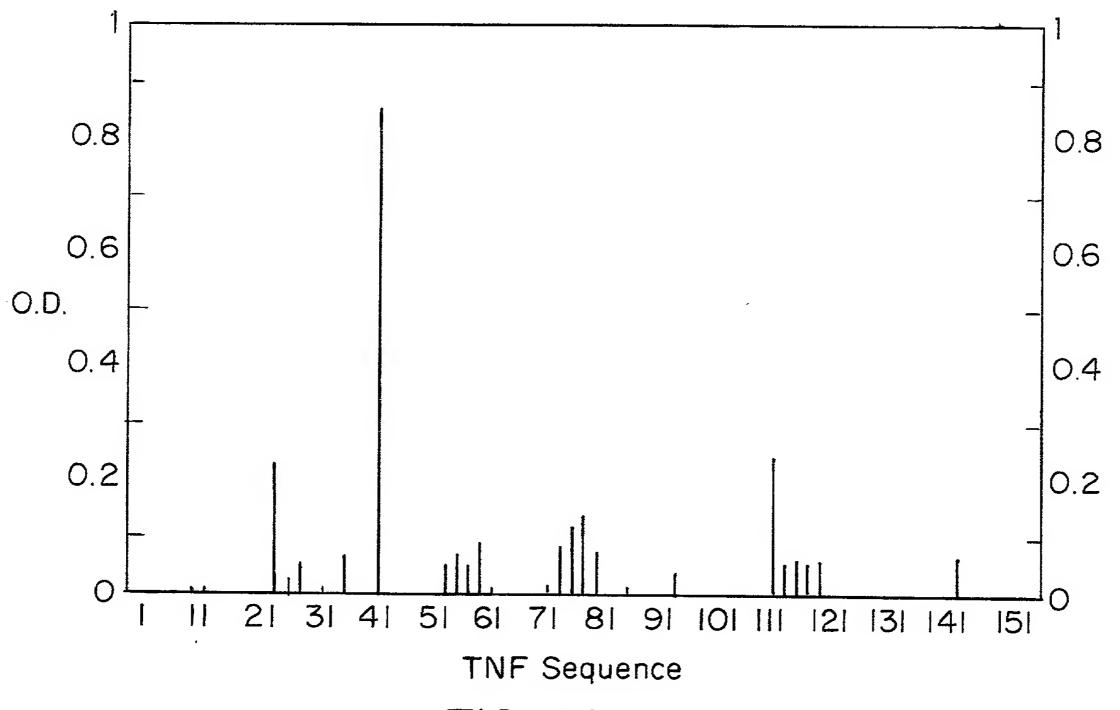


FIG. 14B

## Com Miss Amende II'M The # 1 H 100 mm

Pro Asn Ala Val Val His Ala Val Pro LysAsp 10 Ser Pro Thr Arg Ser Ser Ser Arg 1. Val

GlyAsn Ala Leu Leu Ala Asn Ala Arg Arg 30 Asn Leu Gln Gln Leu Gly Glu Ala Gln 2

Ser  $\mathbf{0}$ Leu Leu GlyGlu Ser Pro 50 Val Val Leu Gln Asn Asp Arg Leu Glu 41 Val

Ile Thr His Thr Leu Leu Val  $\Omega$ H H Thr Ser Pro 70 CysG1yGln GLYLys Phe Leu Val Gln 61

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Pro Ser Lys Ile Ala Ser Leu Leu Asn Val 90 Lys Thr Gln Ser Val Ala Ile Arg 81 Ser

Leu Ile Pro Glu TyrTrp Pro Lys Ala 110 Glu ಥ Al G1yGlu Pro ThrGlu Arg Gln 101 Cys 121 Gly

Asp

Pro

Arg

Asn

IIe

Glu

Ala

Ser

Leu

Arg

130 Asp

GLY

Lys

Glu

Gln

Phe

Val

Al  $\Phi$  $\Phi$ GlyPhe TYr150 Val Gln GlySer Glu Ala Leu Asp Phe

5 П FIG

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Inventors: Junming Le, et al

GACATCTTGCTGACTCAGTCTCCAGCCATCCTGTCTGAGTCCAGGAGAAAGAGTCAGT AspIleLeuLeuThrGlnSerProAlaIleLeuSerValSerProGlyGluArgValSer TTCTCTGCAGGCCAGTCAGTTCGTTGGCTCAAGCATCCACTGGTATCAGCAAGAACA PheSerCysArgAlaSerGlnPheValGlySerSerIleHisTrpTyrGlnGlnArgThr

AATGGTTCTCCAAGGCTTCATAAGTATGCTTCTGAGTCTATGTCTGGGATCCTTCC AsnGlySerProArgLeuLeuIleLysTyrAlaSerGluSerMetSerGlyIleProSer

AGGTTTAGTGGCAGTGGATCAGGGACAGATTTTACTCTTAGCATCAACACTGTGGAGTCT ArgPheSerGlySerGlyThrAspPheThrLeuSerIleAsnThrValGluSer

GAAGATATTGCAGATTATTACTGTCAAGAAAGTCATAGCTGGCCATTCACGTTCGGCTCG  ${\tt GluAspIleAlaAspTyrTyrCysGlnGlnSerHisSerTrpProPheThrPheGlySer}$ 

GGGACAAATTTGGAAGTAAAA GlyThrAsnLeuGluValLys FIG. 16A

Docket No.: 0975.1005-017
Title: METHODS OF TREATING CACHEXIA ....

Inventors: Junming Le, et al

GAAGTGAAGCTTGAGGAGTCTGGAGGAGGCTTGGTGCAACCTGGAGGATCCATGAAACTC GluValLysLeuGluGluSerGlyGlyGlyLeuValGlnProGlyGlySerMetLysLeu

TCCTGTGTTGCCTCTGGATTCATTTTCAGTAACCACTGGATGAACTGGGTCCGCCAGTCT  $\verb|leIlePheSerAsnHisTrpMetAsnTrpValArgGlnSer|$ SerCysValAlaSerGlyPh

CCAGAGAAGGGGCTTGAGTTGCTGAAATTAGATCAAAATCTATTAATTCTGCAACA PValAlaGluIleArgSerLysSerIleAsnSerAlaThr ProGluLysGlyLeuGluTr

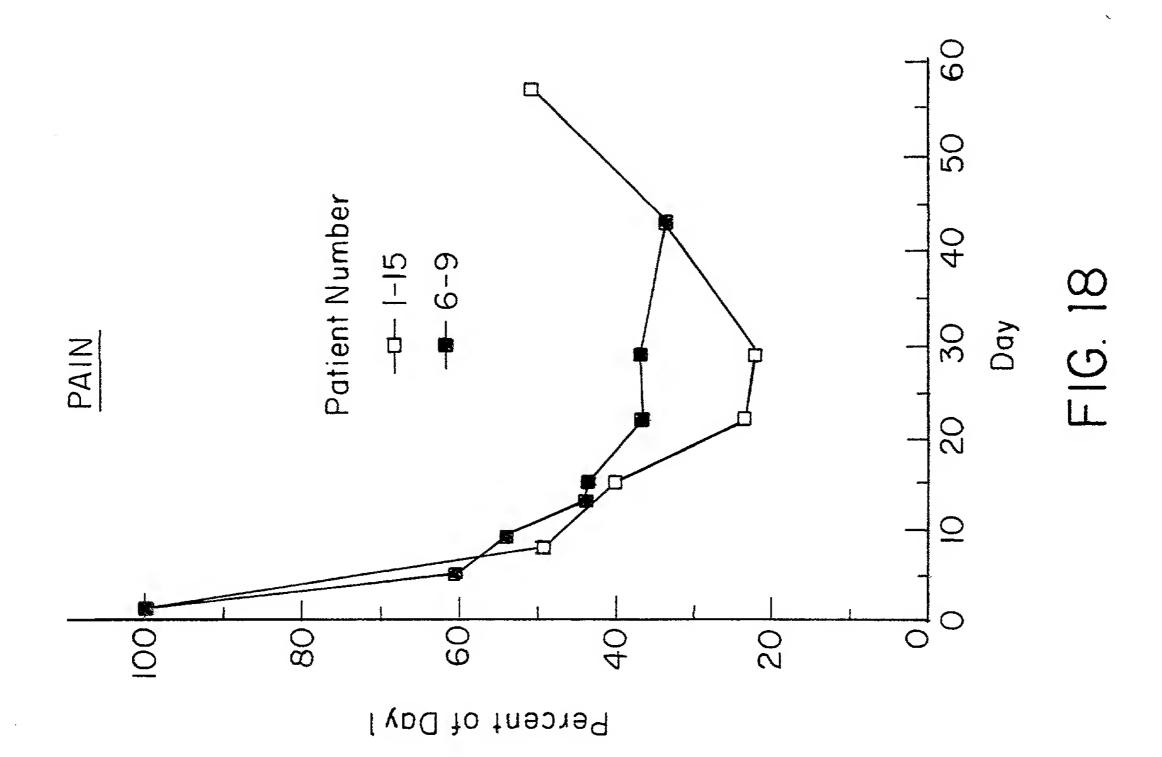
CATTATGCGGAGTCTGAAAGGGAGGTTCACCATCTCAAGAGATGATTCCAAAAGTGCT sGlyArgPheThrIleSerArgAspAspSerLysSerAla HisTyrAlaGluSerValLy

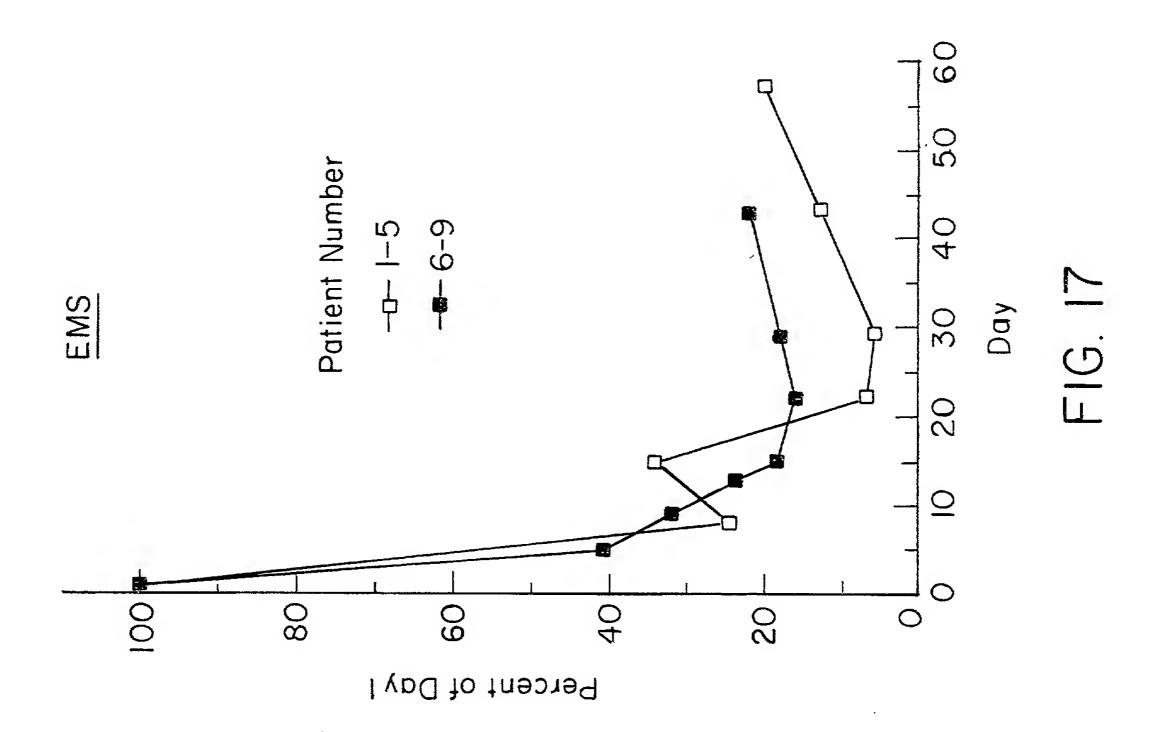
GTGTACCTGCAAATGACCGACTTAAGAACTGAAGACACTGGGGGTTTTATTACTGTTCCAGG pleuArgThrGluAspThrGlyValTyrTyrCysSerArg ValTyrLeuGlnMetThrAs

CGACTACTGGGGCCAAGGCACCACTCACAGTGTCC rAspTyrTrpGlyGlnGlyThrThrLeuThrValSer AATTACTACGGTAGTACCTA ASnTyrTyrGlySerThrTy

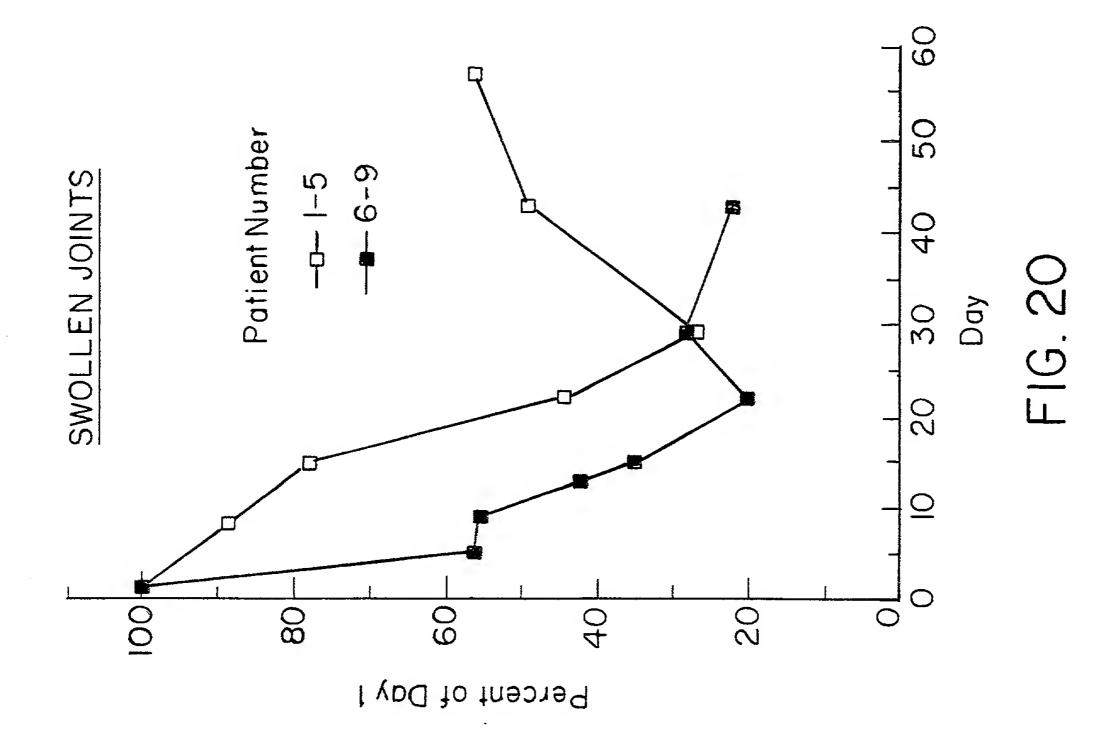
FIG. 16B

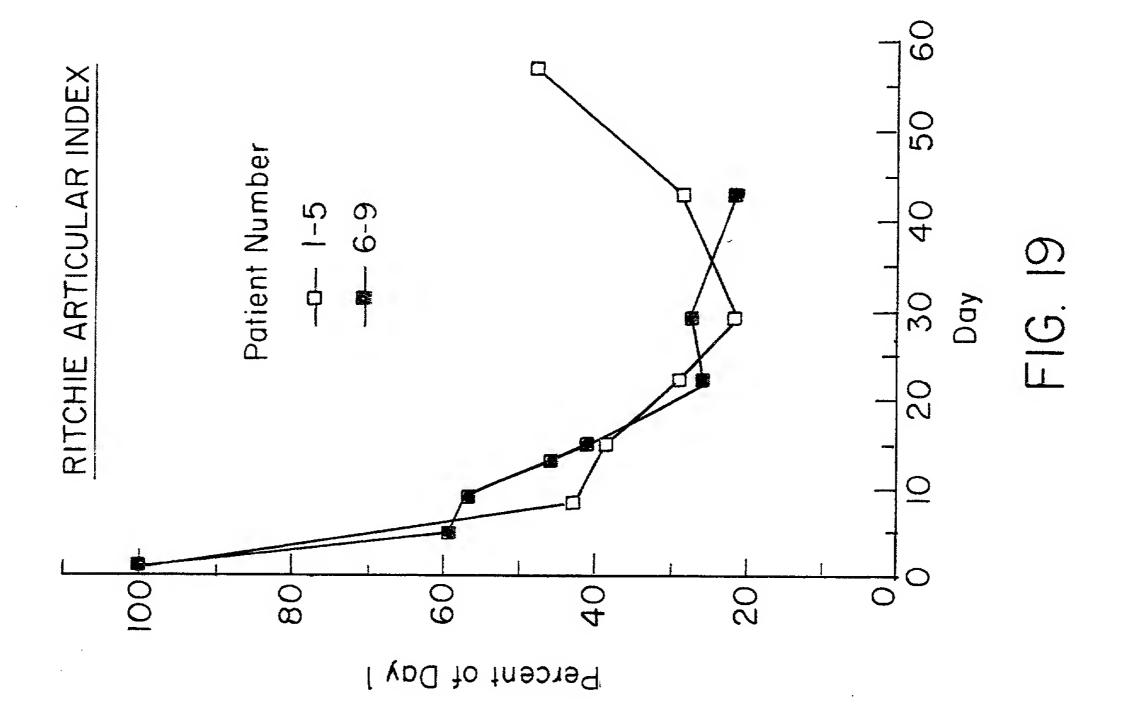
Title: METHODS OF TREATING CACHEXIA ....





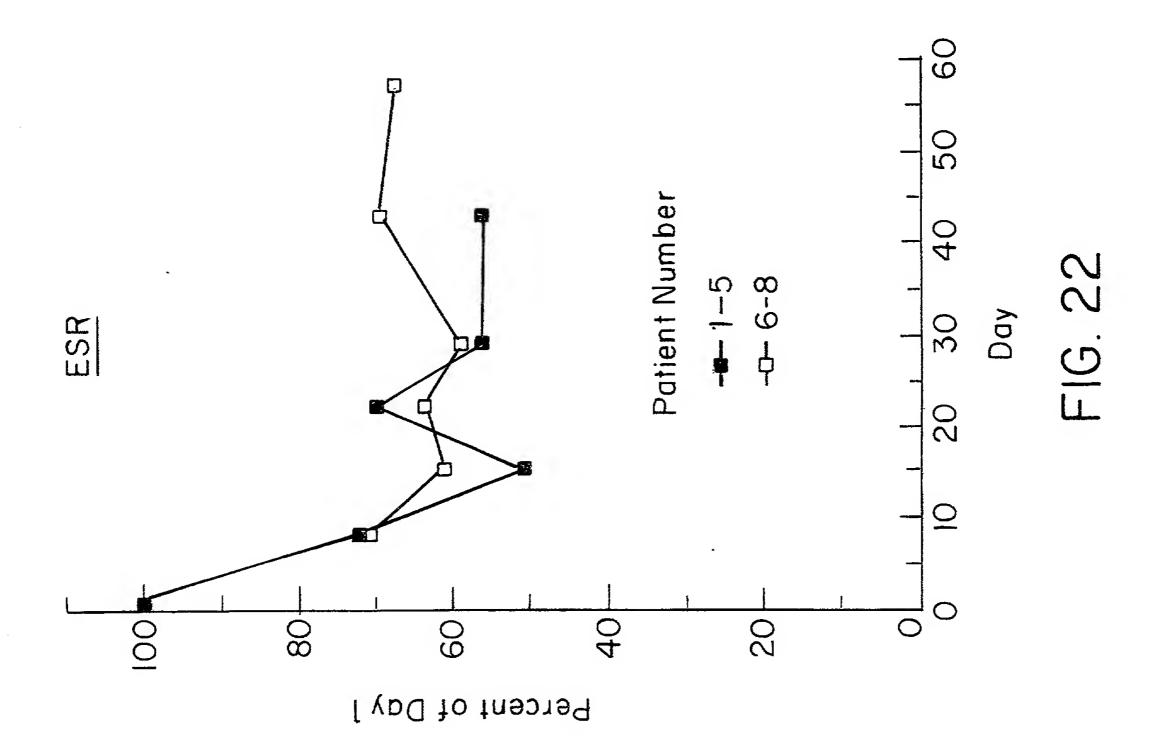
Docket No.: 0975.1005-017
Title: METHODS OF TREATING CACHEXIA ....

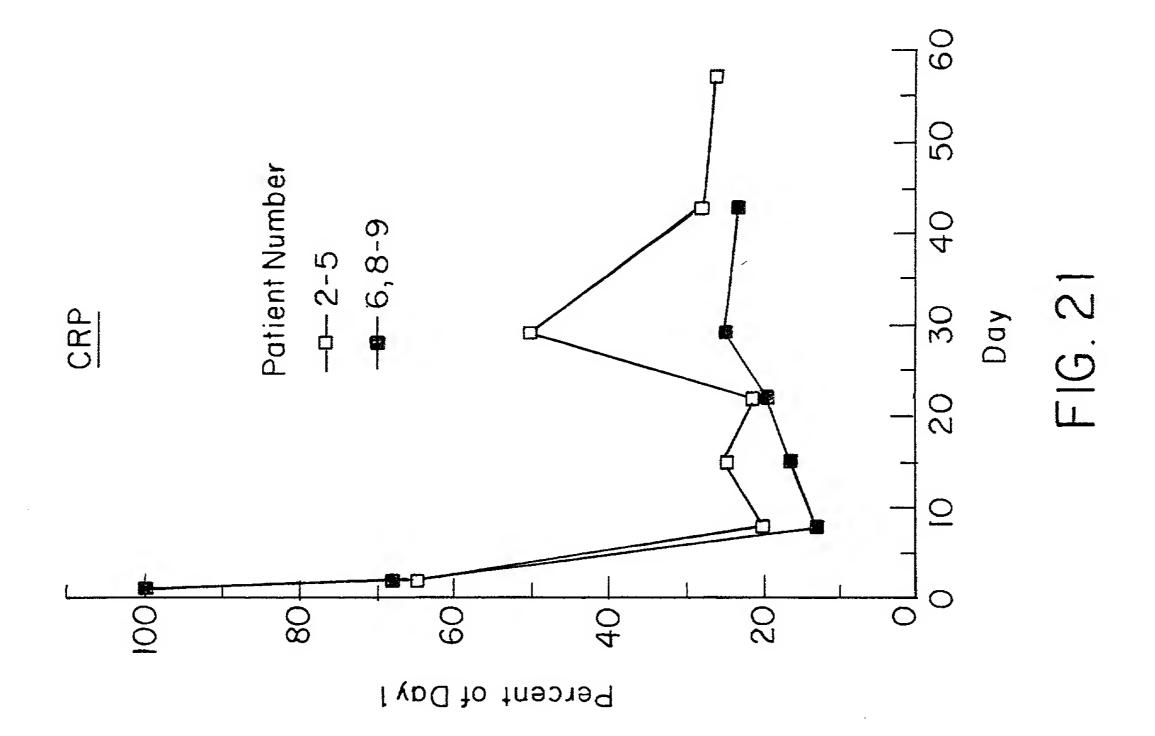


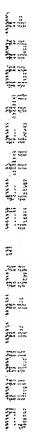


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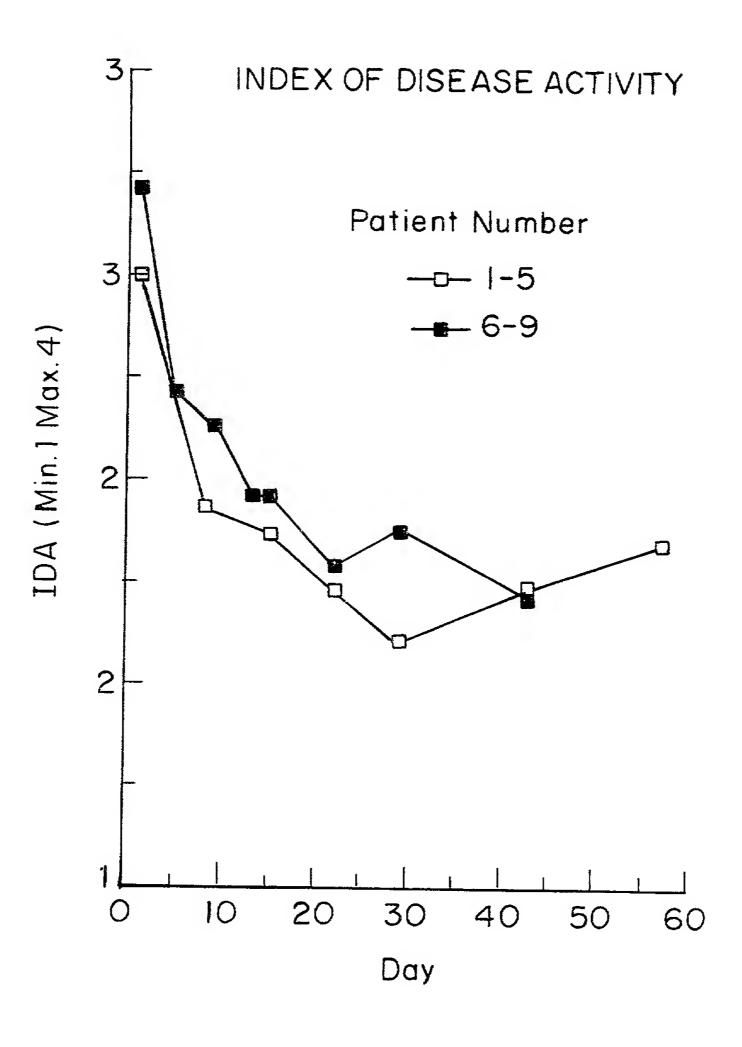
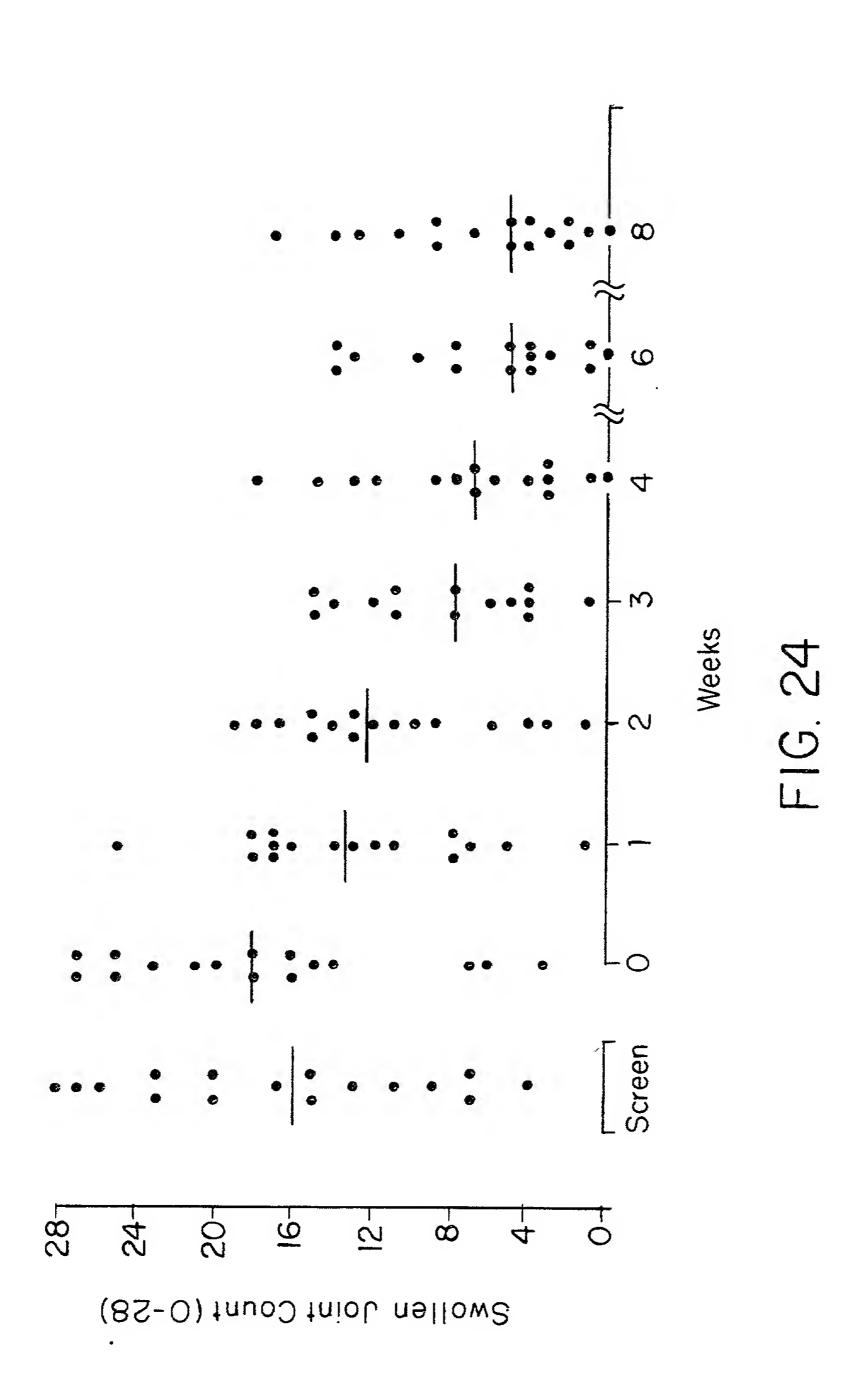
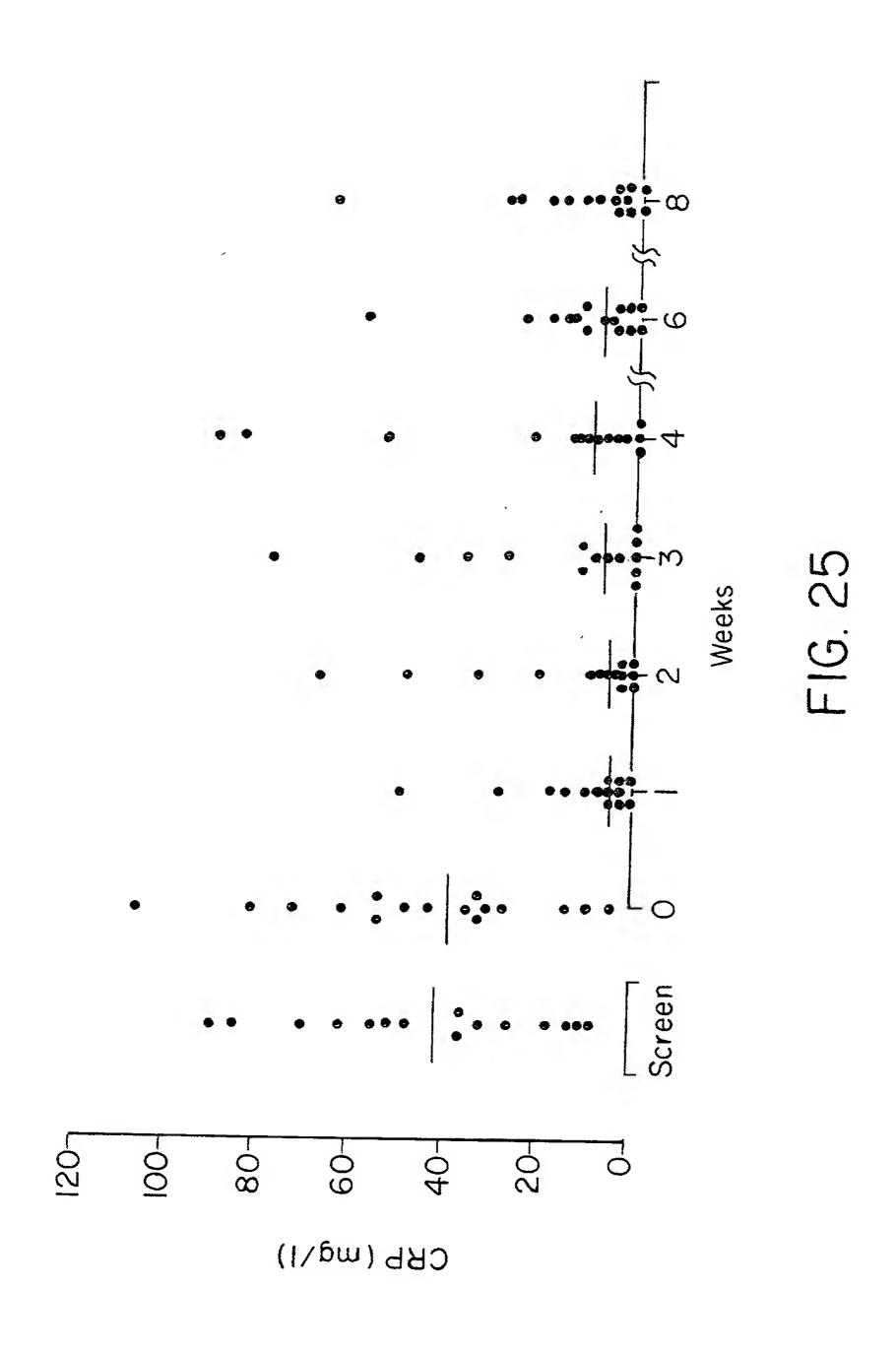


FIG. 23

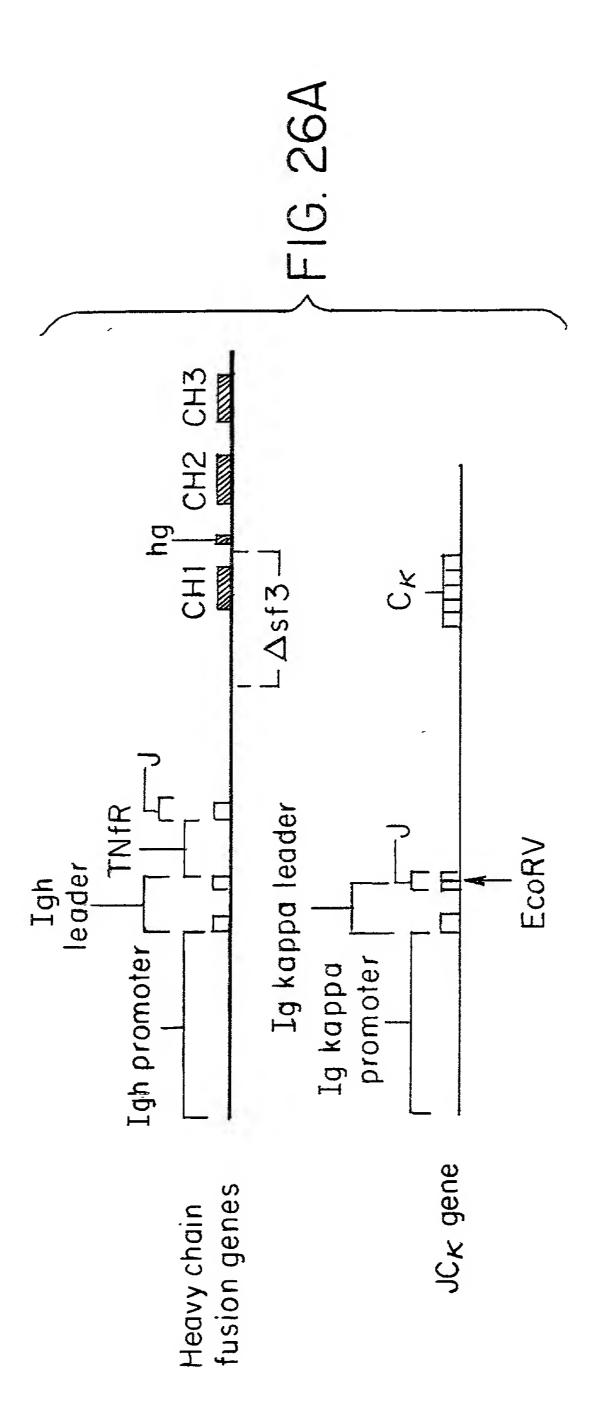
Title: METHODS OF TREATING CACHEXIA ....



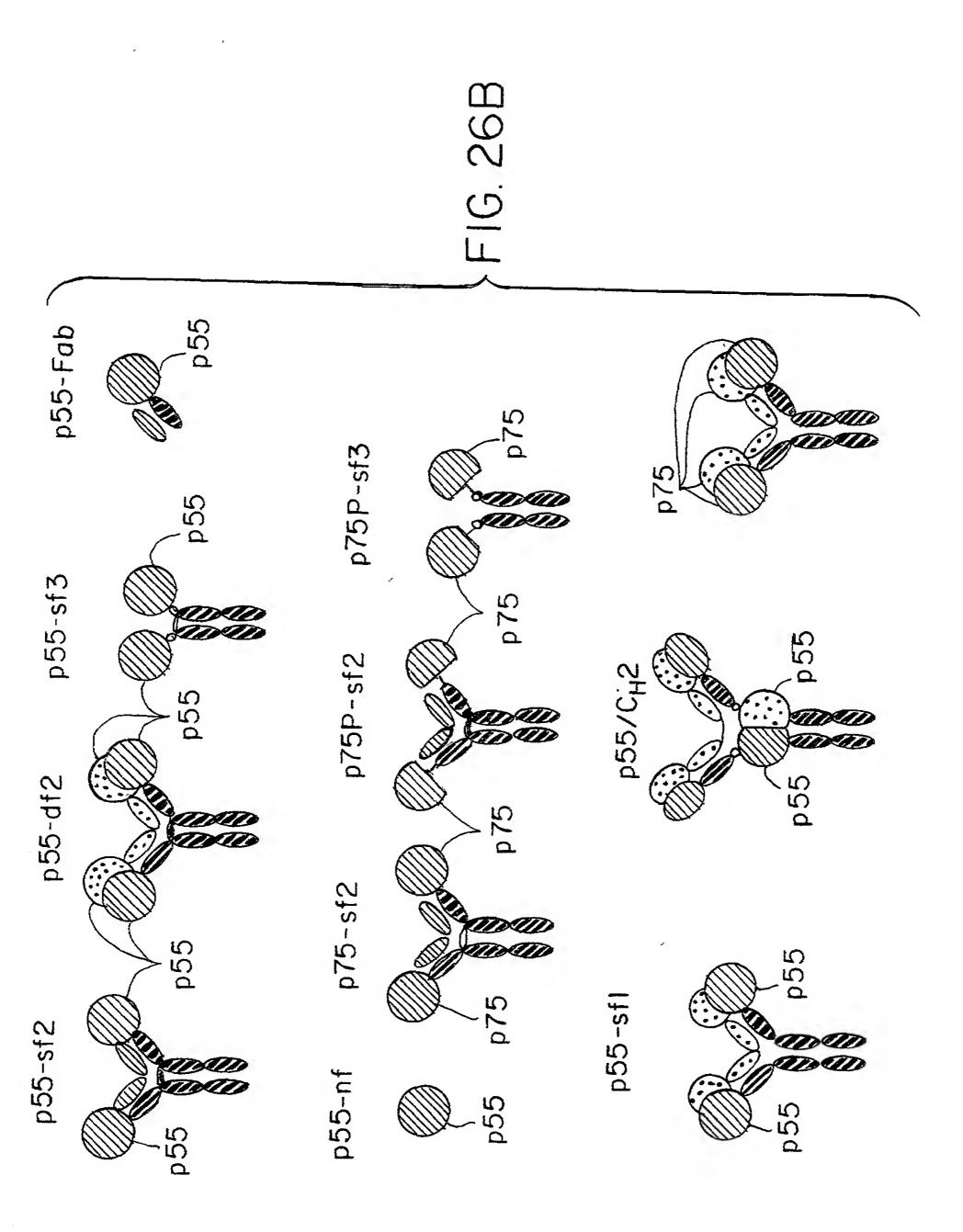
Title: METHODS OF TREATING CACHEXIA ....



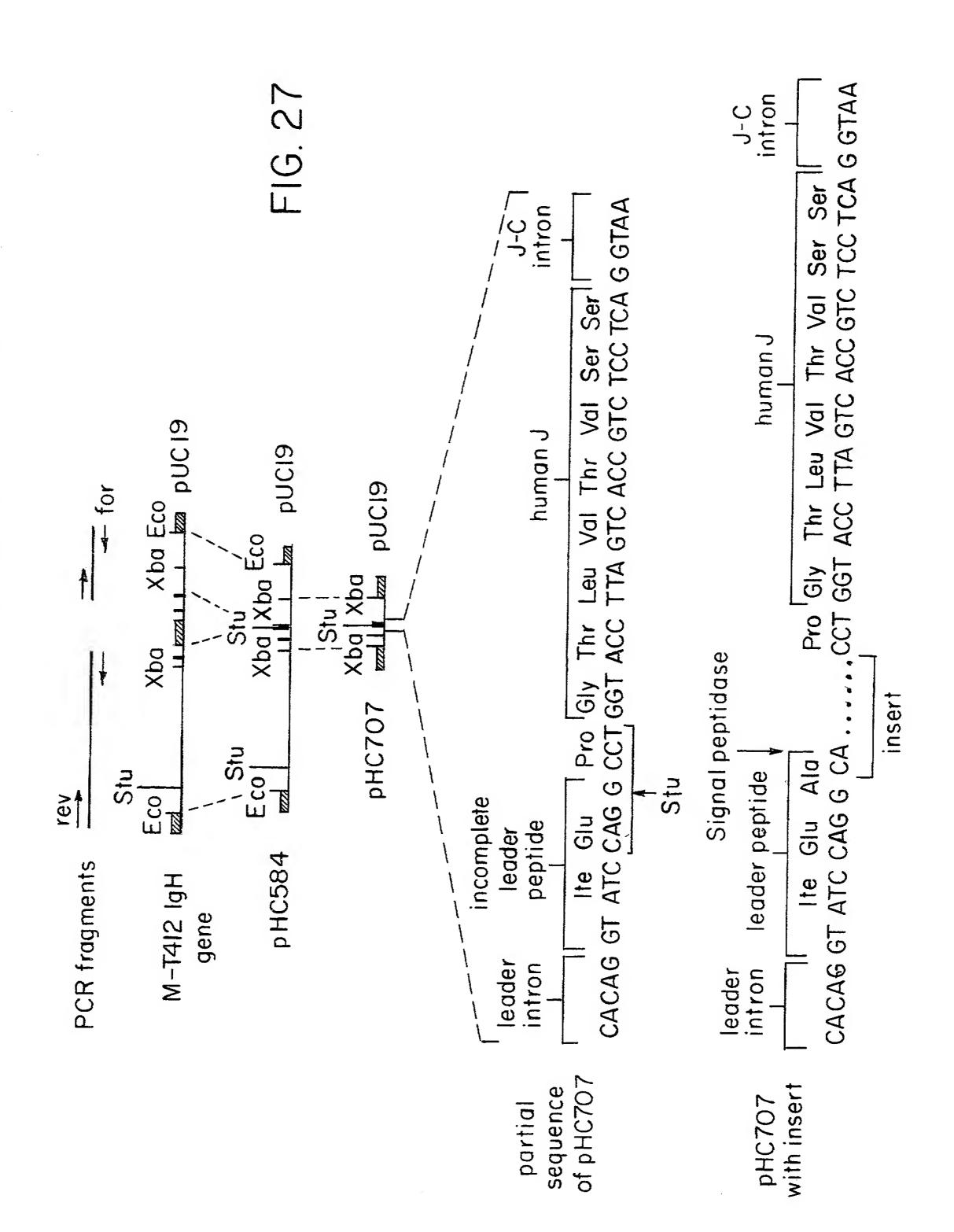
Docket No.: 0975.1005-017
Title: METHODS OF TREATING CACHEXIA ....
Inventors: Junming Le, *et al* 

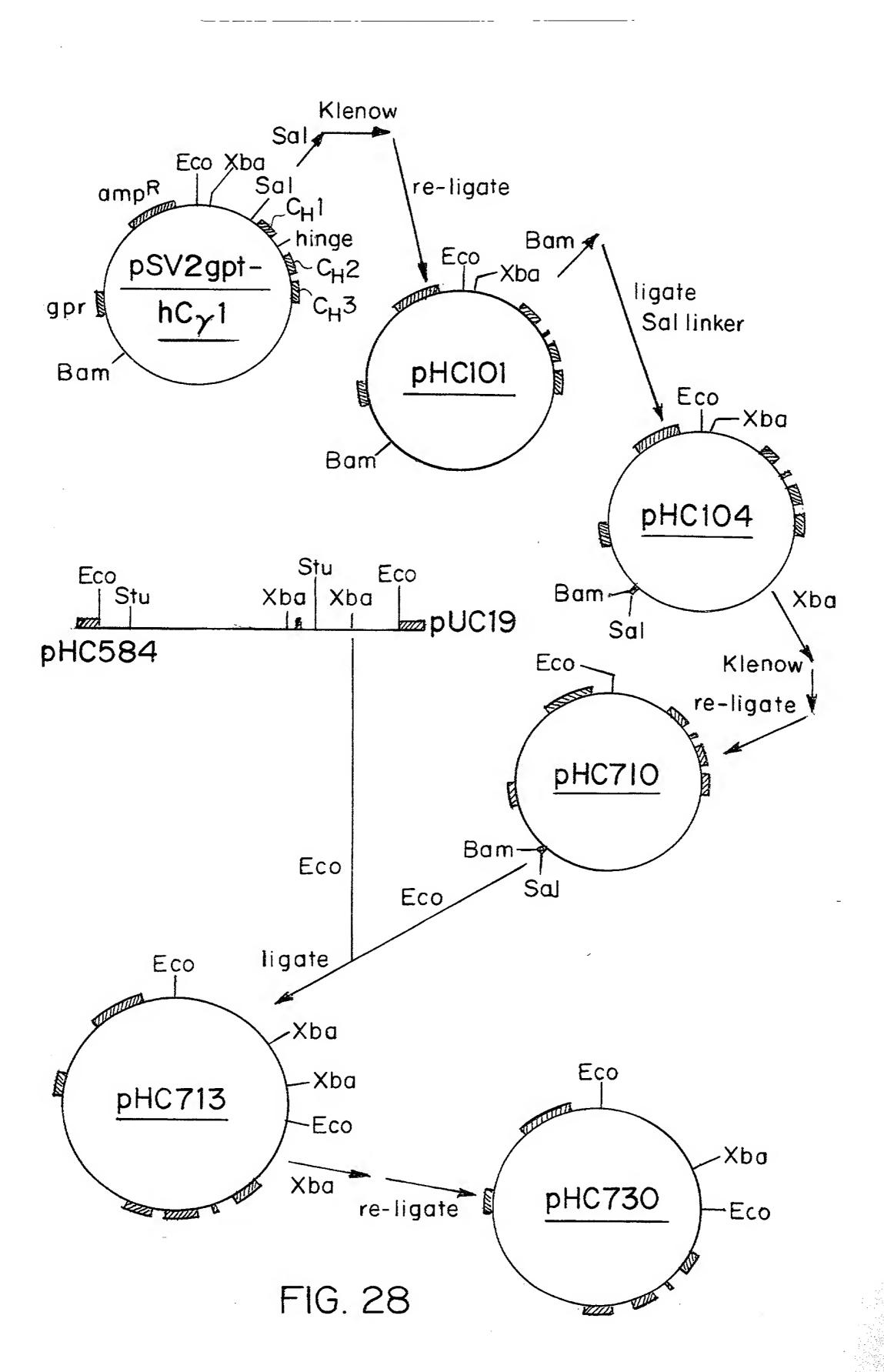


Title: METHODS OF TREATING CACHEXIA ....



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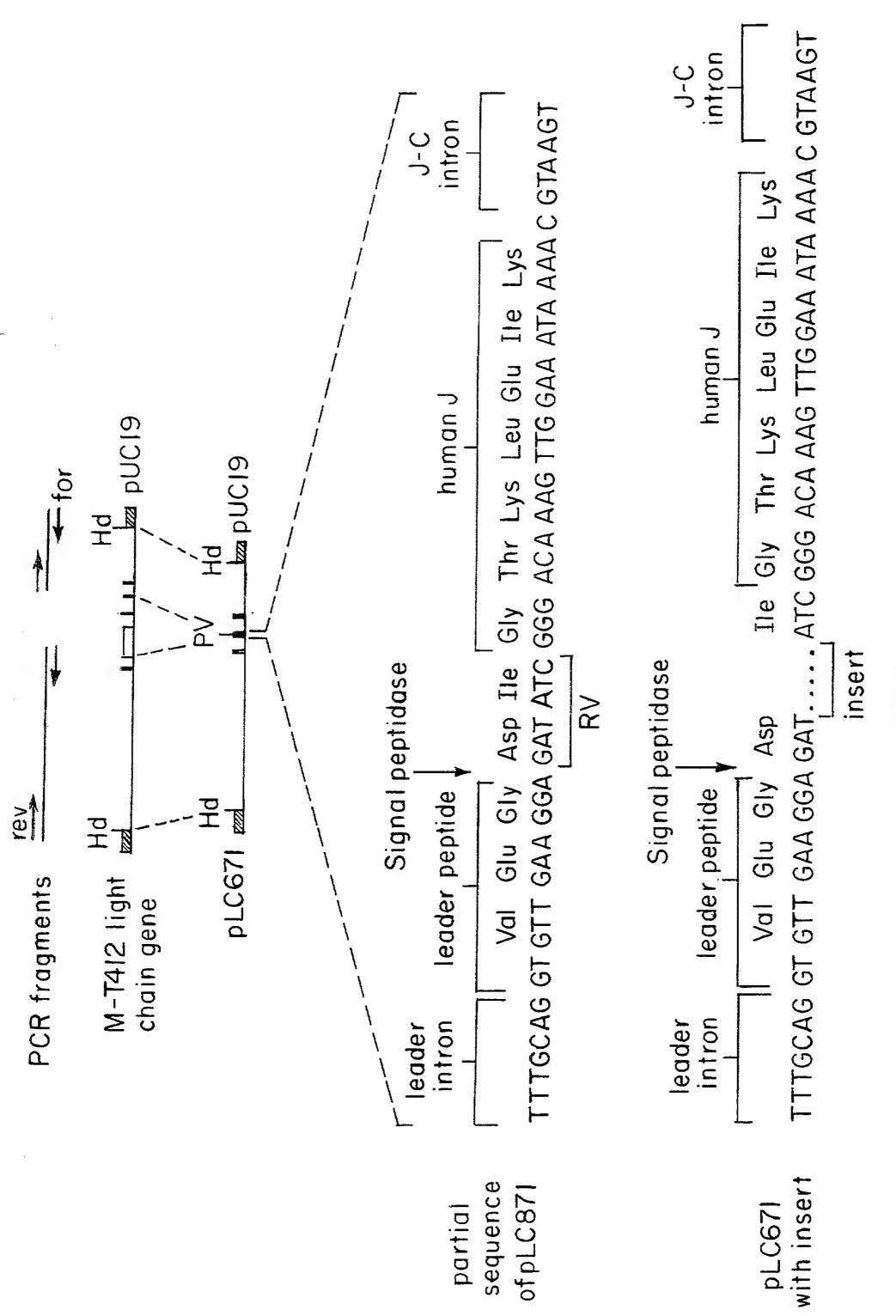


FIG. 29

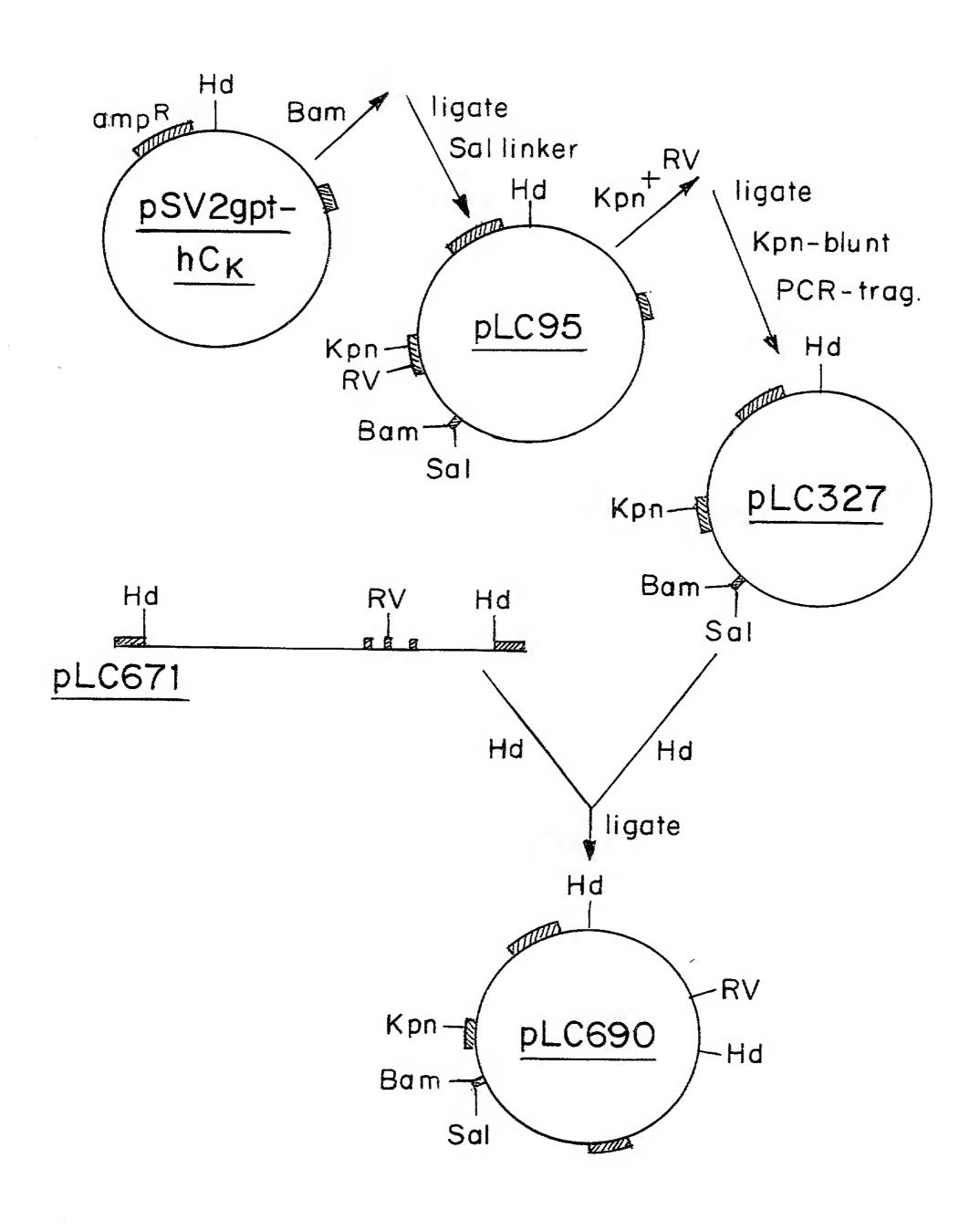


FIG. 30

Title: METHODS OF TREATING CACHEXIA ....

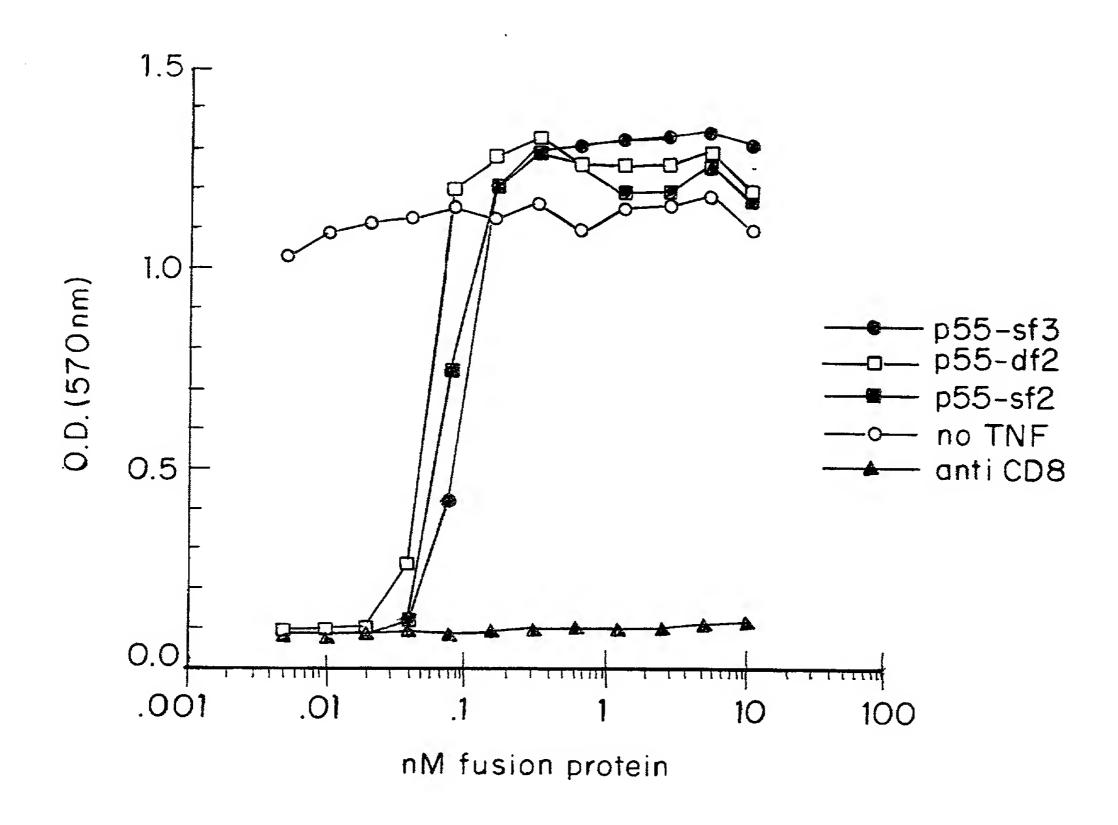


FIG. 31A

THE ROLL WITH THE ROLL KINE

1.4 1.2 1.0 0.D. (570nm) 0.8 ---o--- p75-sf2 • p75p-sf2 no TNF 0.6 anti CD8 - p75p-sf3 0.4 0.2 0.0 .001 .01 10 100 nM fusion protein

FIG. 31B

Title: METHODS OF TREATING CACHEXIA ....

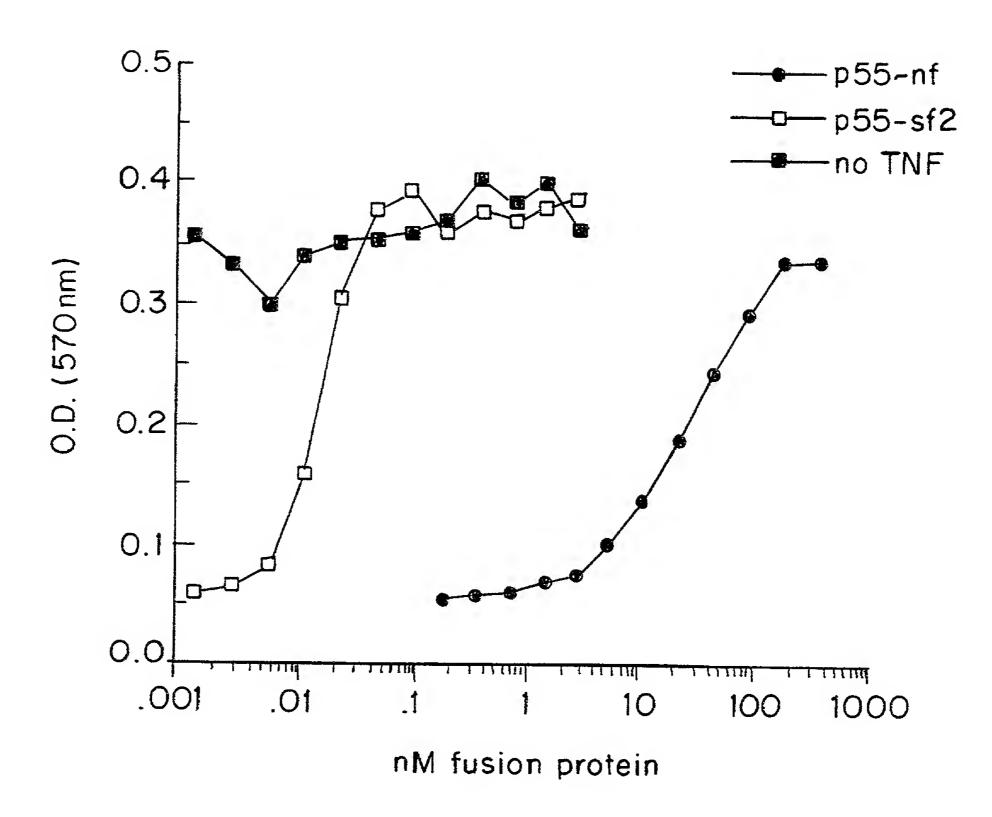


FIG. 31C

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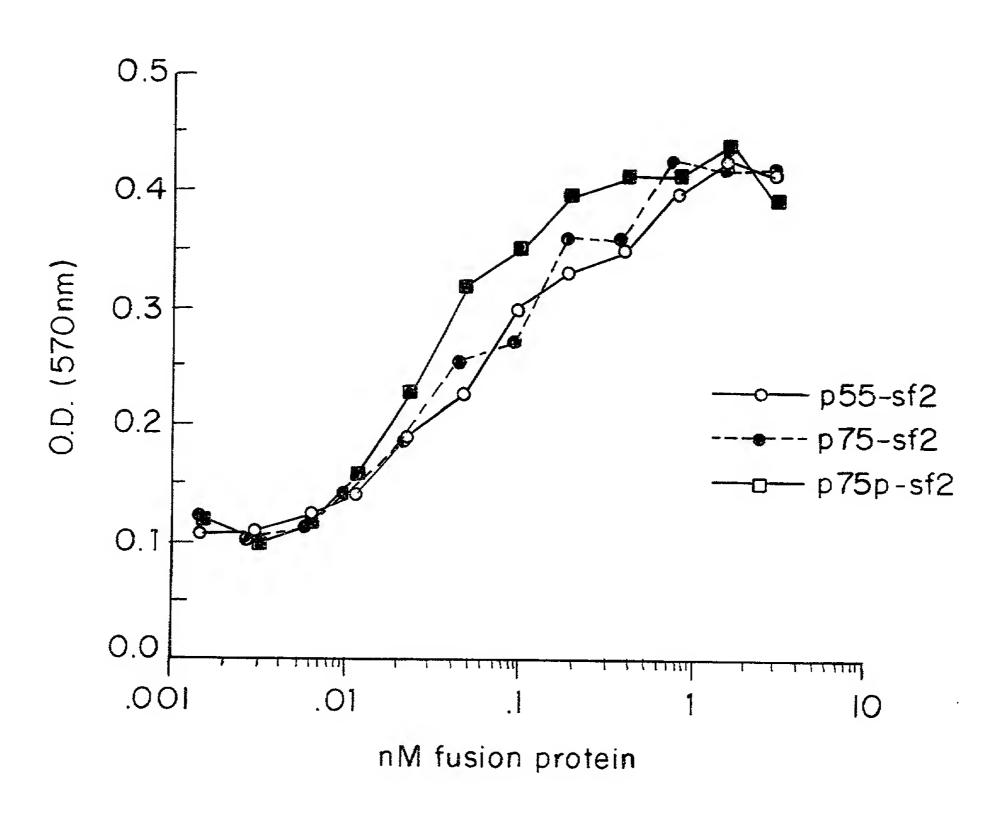


FIG. 32

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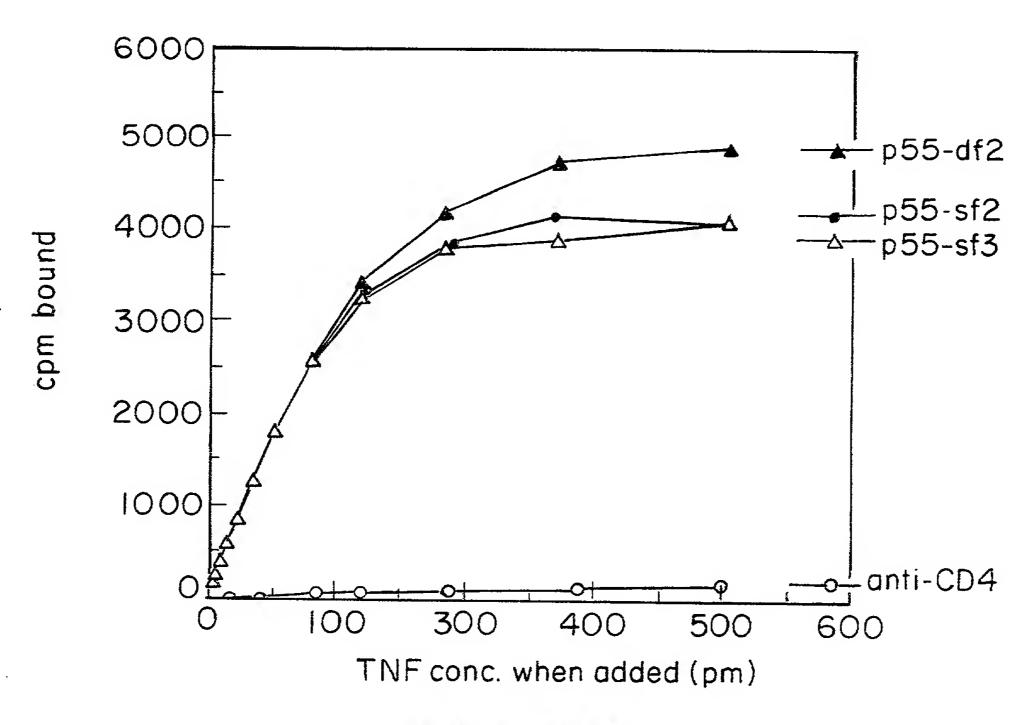


FIG. 33A

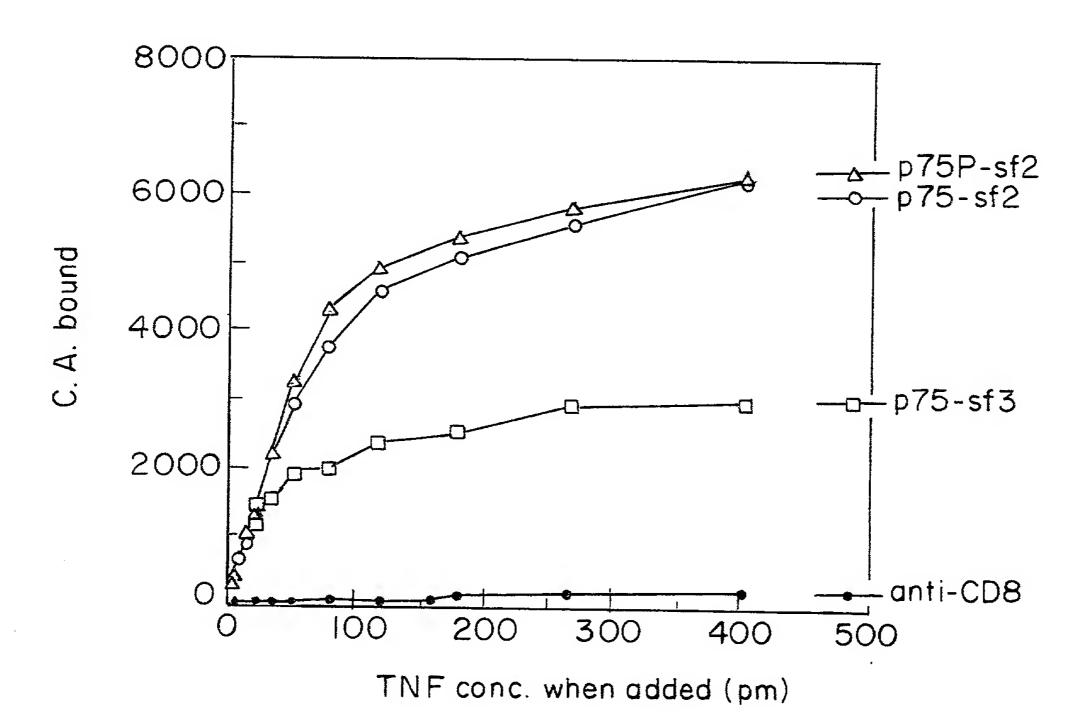
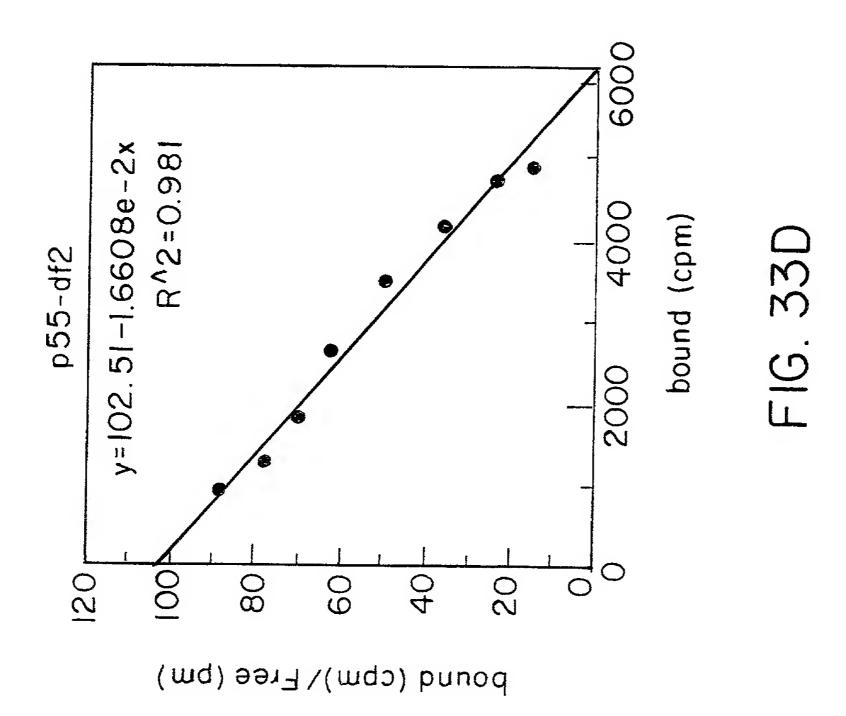
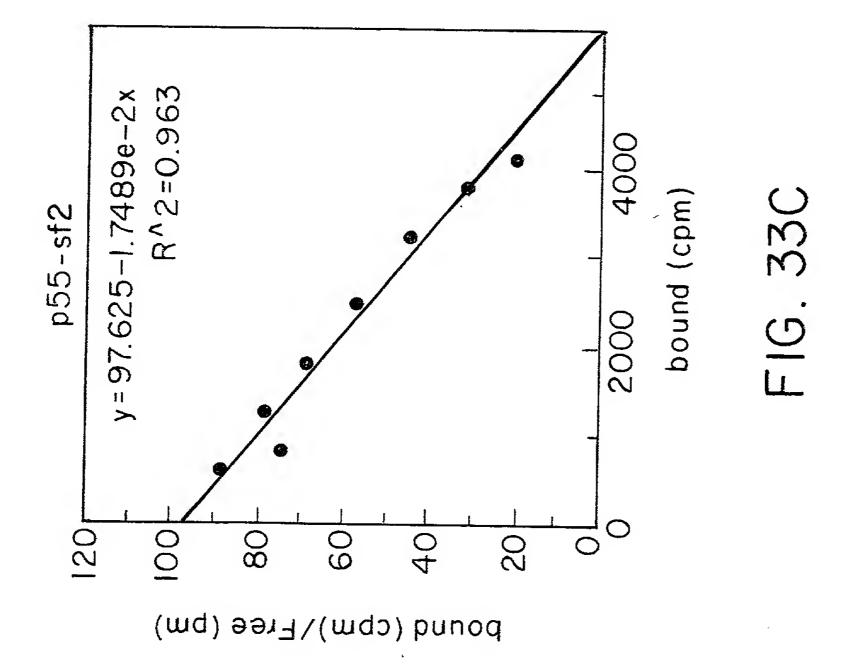


FIG. 33B

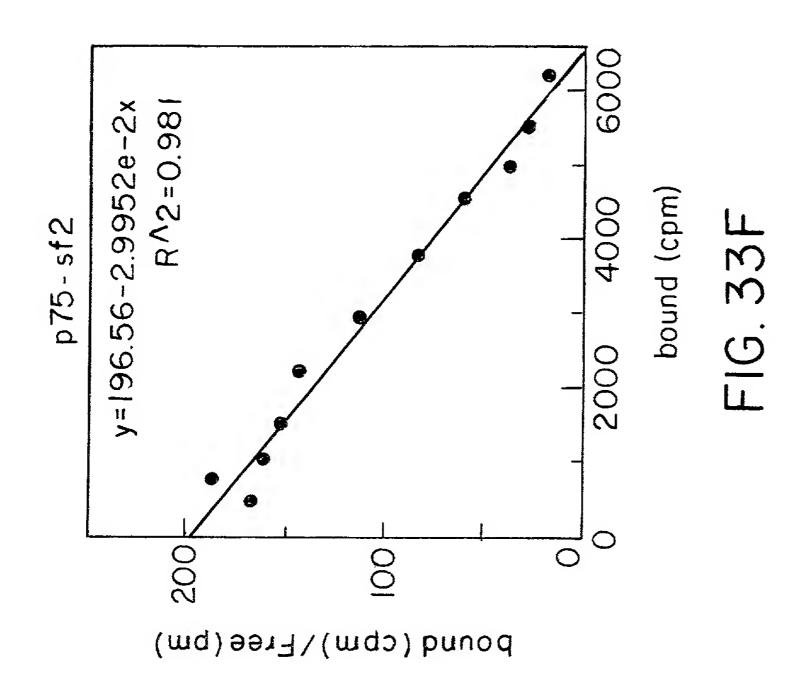
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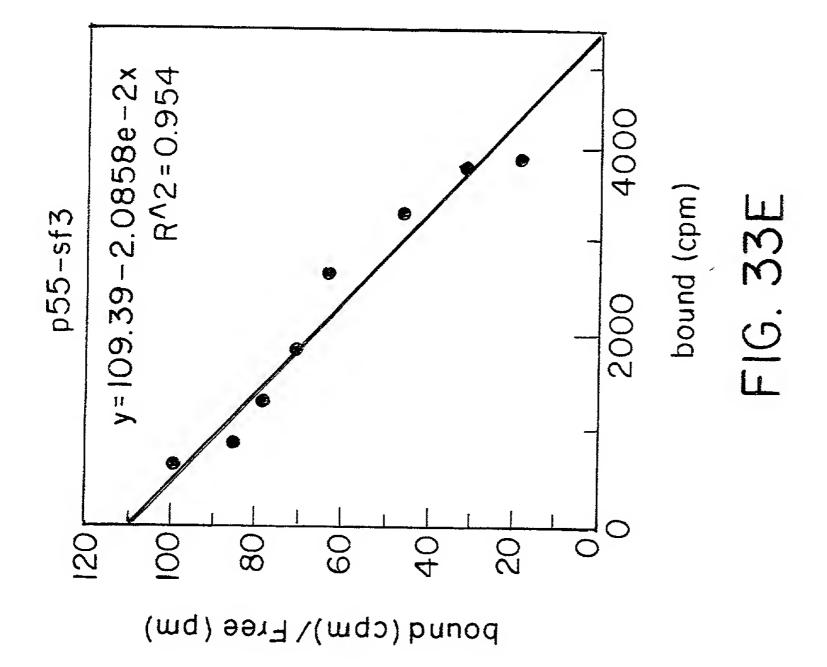
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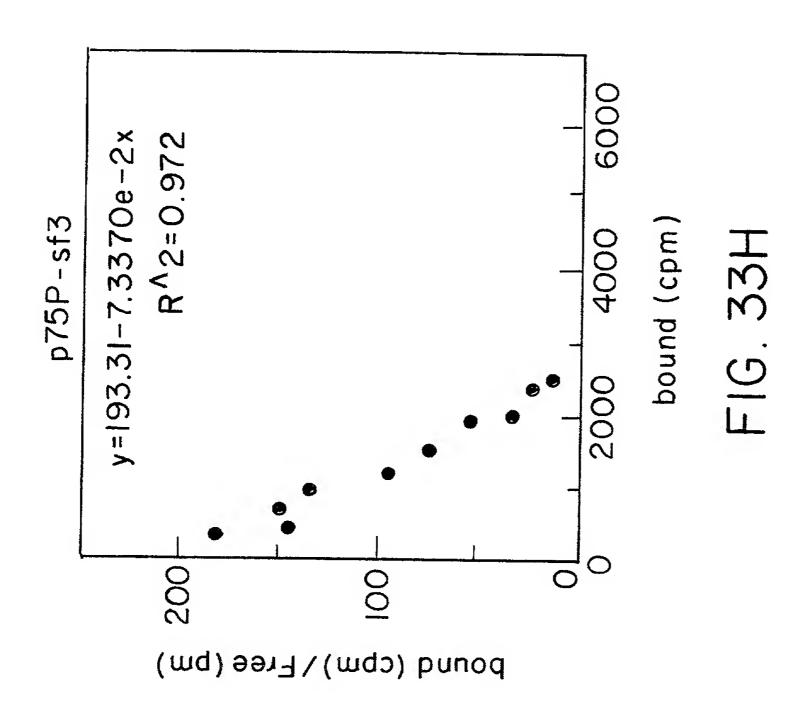


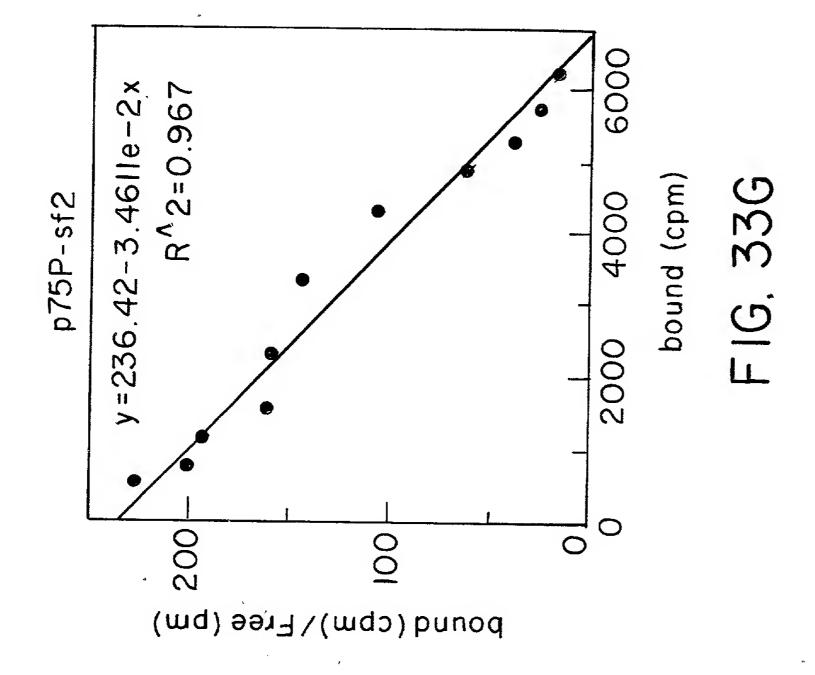


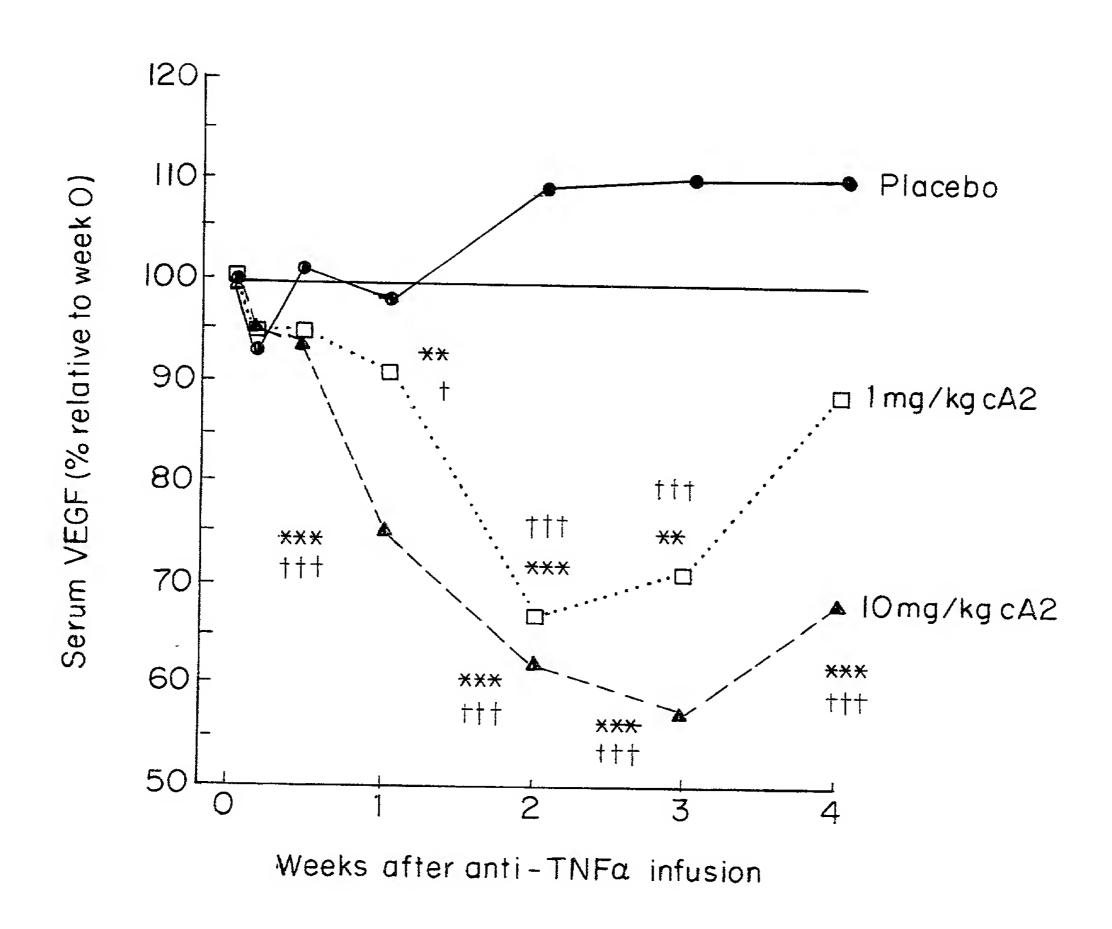
Docket No.: 09/5.1005-01/
Title: METHODS OF TREATING CACHEXIA ....











\*  $p \le 0.05$ , \*\* $p \le 0.01$ , \*\*\*  $p \le 0.001$  versus pre-infusion  $p \le 0.05$ ,  $p \le 0.01$ ,  $p \le 0.001$  versus change in placebo group

FIG. 34